SERVICE MANUAL

NAD

SURROUND SOUND RECEIVER

SURROUND SOUND RECEIVER

SERVICE SAFETY PRECAUTIONS

1. Replacing the fuses

CAUTION: FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE REPLACE ONLY WITH SAME TYPE OF FUSE.

Reference No			Part Number	Description
M752	*C	\triangle	5120-0017-0	FU T4A 250V SEMKO/UDE HBC
M754	*C	\triangle	5120-0018-0	FU T1A 250V SEMKO/UDE 5X20MM
M751	*AH	\triangle	5120-0040-0	FU T6.3A 250V 5X20 UL
M754	*AH	\triangle	5120-0052-0	FUSE T1.6A 250V 5X20MM

NOTE:

<*AH > : USA, CANADIAN MODEL ONLY. <*C > : EUROPEAN MODEL ONLY.

2. Safety check out

(Only U.S.A. model)

Before returning the product to the customer, make leakage current or resistance measurements to determine that exposed parts are acceptably insulated from the supply circuit.

Parts marked with the symbol \triangle are critical with regard to the risk of fire and electric shock. Replace only with parts recommended by the manufacturer.

CONTENTS

DESCRIPTION	PAGE
SPECIFICATIONS	
REAR PANEL / FRONT PANEL	
DISASSEMBLY INSTRUCTIONS	
WIRING DIAGRAM	
BLOCK DIAGRAM	
ADJUSTMENT POINTS DIAGRAM	
INSTRUMENT SETUP	
ALIGNMENT PROCEDURES	
IMPORTANT NOTES	
PCB LAYOUT	
SCHEMATIC DIAGRAM	
IC BLOCK DIAGRAM	
ELECTRICAL PARTS LIST	
EXPLODED VIEW	
EXPLODED VIEW PARTS LIST	
PACKING DIAGRAM	

SPECIFICATIONS

0. 20070			
POWER AMPLIFIER	R AND PREAMPLIFIER S	<u>ECTION</u>	
Rated distortion	(THD 20Hz-20 kHz FL/C/	•	≤ 0.08%
	(THD 20Hz-20 kHz SL/SF	₹)	≤ 0.3%
Input Sensitivity	(ref. 8 ohms, 1 kHz)		180+/-30 mV
S/N Ratio	(A-wtd, 1KHz, 1W, 8 ohm)	≥ -75 dB
	(A-wtd, 1KHz, 80W, 8 ohi	m) FL/FR/C	≥ 92 dB
		SL/SR	≥ -90 dB
Frequency Response	(20 Hz - 20 kHz)	$0 \pm 0.8 dB$	
Channel Balance		(1 dB to -40 dB, 1 kHz)	≤ 2 dB
		(-41 dB to -50 dB, 1 kHz)	≤ 3 dB
Audio muting at 1kH	Z		≥ 53 dB
Headphone O/P in 0	.1%, 600 ohm load, CD in	500mV, 1 kHz	≥ 10V
Subwoofer out, 500r	nV in	(THD at 2V O/P, 100 Hz)	≥ 0.5%
		(S/N at 2V O/P, 100 Hz)	≥ 80 dB
Crosstalk	(2V input, 10W, 1 kHz)	,	> -68 dB
Continuous average	power output (L/R/C RL/F	RR 8ohms)	80 W
3		,	
Controls			
Bass	(at 500mV in, 1W out, 10	0 Hz)	± 9 dB
Treble	(at 500mV in, 1W out, 10	,	± 9 dB
	(4.5 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	····-,	
SURROUND SECTI	ON		
Channel separation			
-	: 1V in, 1 kHz, Ch R, L		≥ 45 dB
ж р жиз жиз т —, т т	: o/p at unexpected, 1 kH	z. Ch C	≥ 35 dB
I/p mode : L= -R	: 1V in, 1 kHz, Ch R, L	_,	≥ 28 dB
"P000 ! =	: o/p at unexpected, 1 kH	z Ch C	≥ 30 dB
I/p mode : L= R	: 1V in, 1 kHz, Ch R, L	2, 311 3	≥ 45 dB
77 modo : L= 10	: o/p at unexpected, 1 kH	z Ch SL SR	≥ 30 dB
Frequency Respon		2, 311 32, 313	2 00 UD
	: 1V in, 1W, Ch R, L	40Hz	0 ± 1.5 dB
1/p 1110dC . L, 1X	. 1 V III, 1 VV, OII IX, E	20kHz	0 ± 0.8 dB
I/p mode : L= R	: 1\/ in 1\// Ch C	300Hz	0 ± 0.8 dB
i/p mode . L= iX	. 1 v 111, 1 v v, C11 C	20kHz	0 ± 0.8 dB
I/n modo : I = = P	: 1V in, 1W, Ch SL, SR	30Hz	0 ± 0.0 dB
//p mode . L= -11	. 1 V III, 1 VV, CII SE, SIX	6.5kHz	-3 ± 1.0 dB
S/N Patio / 200m\/ ii	n, 1, A-WTD w/ 1k termina		-3 ± 1.0 UD
I/p mode : L, R		uon <i>j</i>	≥ 65 dB
•			≥ 65 dB
I/p mode : L=R			
I/p mode : L=-R		≥ 65 dB	
1110 (2.2 V III, 1 VV, W	/ 80 kHz LPF, 1 kHz)		≤ 0.2%

AC-3/DTS SECTION Frequency Response

FL, FR, C, SL, SR:	200Hz	$0 \pm 0.8 \text{ dB}$
	20kHz	$0 \pm 0.8 \text{ dB}$
Distortion 1W all channels		0.08%
S/N 1 W (CCIR/ARM, 200 Hz NOTCH	1 & 400 Hz HPF)	≥ 85 dB

AM TUNER SECTION

Input level is expressed as the reading in ope	en-circuit	
of 75-ohm source impedance signal generate	or	
Usable sensitivity (999/1000kHz)		≤ 30 dBµ
S/N Ratio (5mV in)		≥ 38 dB
THD (5mV in)		≤ 3%
IF Rejection (450 kHz)		≥ 36 dB
Image Rejection (F+2xIF)		≥ 28 dB
Selectivity		≥ 17 dB
Output		130+/- 20mV
Loop sensitivity (20dB S/N)		
	999/1000 kHz	≤ 66 dB
	603/600 kHz	≤ 66 dB
	1404/1400 kHz	≤ 66 dB
Frequency response (100 - 2.3 kHz, 5mV)		± 6 dB

FM TUNER SECTION		<u>*C</u>	<u>*AH</u>
Input level is expressed as the	reading in open-circuit		
of 75-ohm source impedance s	signal generator		
Usable Sensitivity (98 MHz)		≤ 15 dBµ	≤ 15 dBµ
Signal / Noise Ratio	Mono	≥ 72 dB	≥ 72 dB
(60 dBµ, IHF wtd)	Stereo	≥ 66 dB	≥ 66 dB
Frequency Response (20 Hz -	15 kHz, 60 dBµ)	$0 \pm 1.5 dB$	$0 \pm 1.5 dB$
Channel Separation (60 dBµ)	100 Hz	≥ 30 dB	≥ 30dB
	1 kHz	≥ 38 dB	≥ 38 dB
	10 kHz	≥ 30 dB	≥ 30 dB
Alternate Channel Selectivity			
(40 dBµ, ±400 kHz)		≥ 60 dB	≥ 45 dB
Capture Ratio (40 dBµ)		≤ 3 dB	≤ 3 dB
AM Suppression			
(60 dBµ, 100% Mod.FM,	30% Mod.AM)	≥ 48 dB	≥ 48 dB
Image Rejection (119.4 MHz)		≥ 85 db	≥ 40 dB
I.F. Rejection (10.7 MHz)		≥ 78 dB	≥ 65 dB
Pilot Suppression (60 dBµ)		≥ 60 dB	≥ 60 dB
THD (60 dB μ , L=R 75 kHz for	AH, 40 kHz Dev for C)		
	Mono	≤ 0.25%	≤ 0.25%
	Stereo	≤ 0.35%	≤ 0.35%
Auto-Search Sensitivity	On	≥ 24 dBµ	≥ 24 dBµ
	Off	≤ 15 dBµ	≤ 15 dBµ
RDS decode Sensitivity		≤ 26 dBµ	≤ 26 dBµ

POWER RATING

EUROPEAN Model *C AC 230V~ 50Hz 2.0A USA, CANADIAN Model *AH AC 120V~ 60Hz 4.2A

PHYSICAL SPECIFICATIONS

Dimensions (Width x Height x Depth)

Net weight

Shipping weight

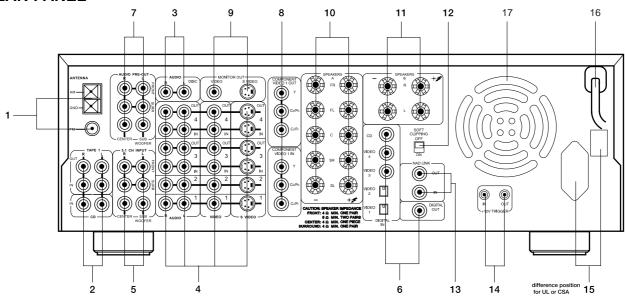
435 x 131 x 348mm

14kg (31 lbs)

16.7kg (37 lbs)

REAR PANEL / FRONT PANEL

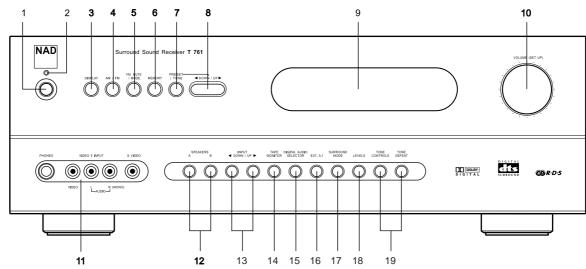
REAR PANEL



- 1. FM & AM ANTENNA
- 2. TAPE 1 & CD INPUTS
- 3. DISC INPUT
- 4. VIDEO 1 VIDEO 4 (AUDIO & VIDEO)
- 5. 5.1 CHANNEL INPUT
- 6. DIGITAL AUDIO INPUTS / OUTPUTS
- 7. AUDIO PRE OUTS
- 8. COMPONENT VIDEO INPUT & OUTPUT
- 9. MONITOR OUT

- 10. SPEAKERS A: FRONT, CENTER & SURROUND SPEAKERS
- 11. SPEAKERS B
- 12. SOFT CLIPPING
- 13. NAD-LINK INPUT / OUTPUT
- 14. 12V TRIGGER INPUT / OUTPUT
- 15. SWITCHED POWER OUTLETS
- 16. AC POWER CORD
- 17. COOLING FAN

FRONT PANEL

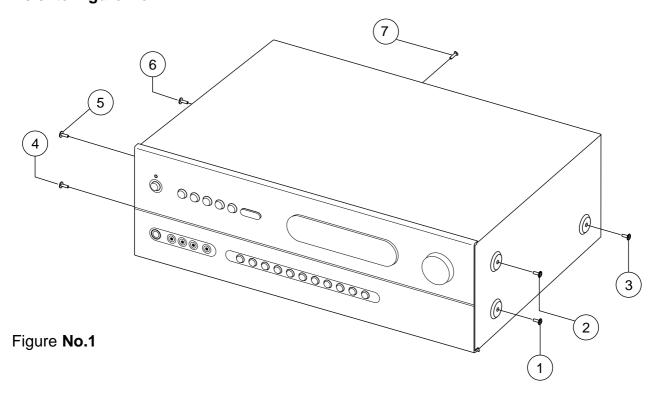


- 1. POWER
- 2. STAND-BY
- 3. DISPLAY
- 4. AM/FM
- 5. FM MUTE / MODE
- 6. MEMORY
- 7. PRESET / TUNE
- 8. DOWN / UP ◀ AND ▶
- 9. VFL DISPLAY
- 10. VOLUME & SETUP

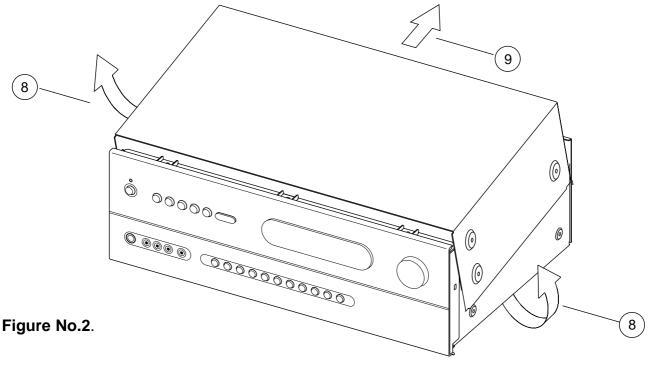
- 11. HEADPHONE SOCKET & VIDEO 5 INPUT
- 12. SPEAKERS A & B
- 13. AUDIO & VIDEO INPUT SELECTORS <DOWN/UP>
- 14. TAPE MONITOR
- 15. DIGITAL AUDIO SELECTOR
- 16. EXT. 5.1
- 17. SURROUND MODE
- 18. LEVELS
- 19. TONE CONTROLS & TONE DEFEAT

DISASSEMBLY INSTRUCTIONS

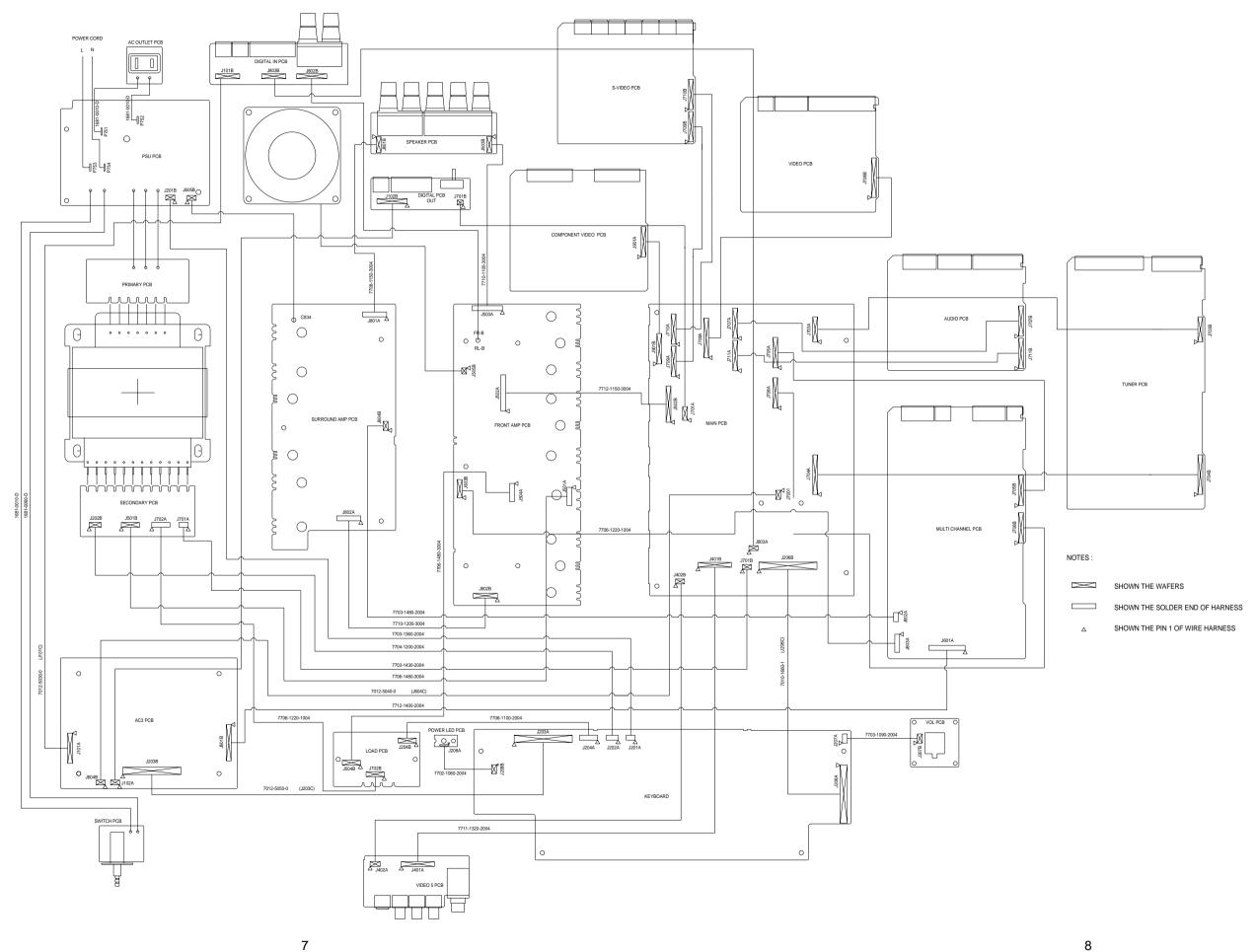
Remove machine screws M 4.0 x 6.0 (1 to 6) from the side panels.
 Remove tapping screw 3.0 x 8.5 (7) from the back panel.
 Refer to Figure No.1.



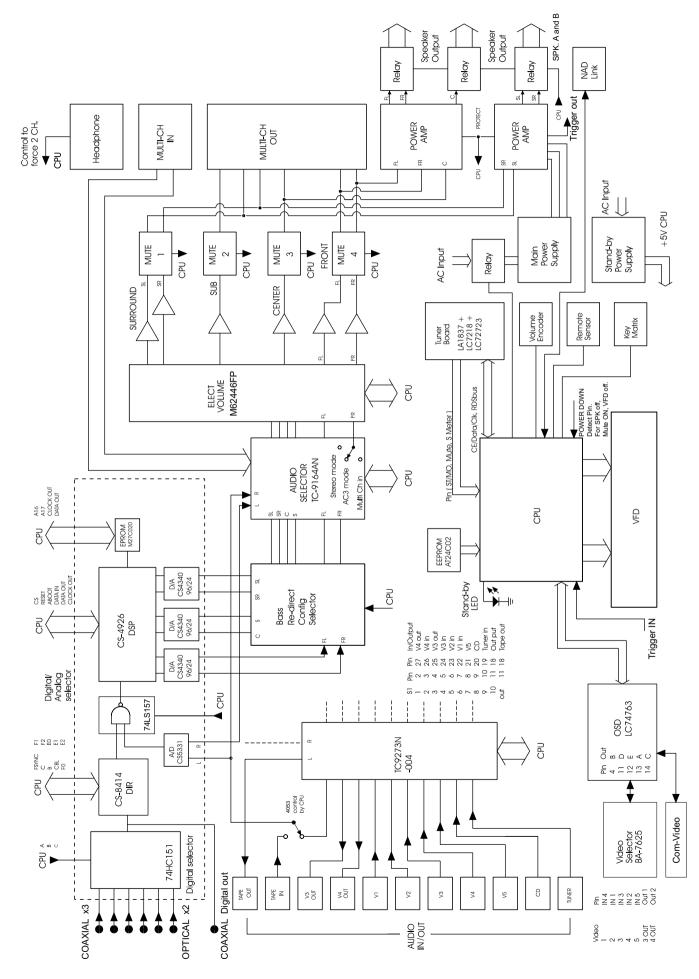
2. Pull both sides of the TOP COVER slightly outwards (8) and tilt approx. 35° and then remove in the direction as indicated by the arrow (9). Refer to **Figure No.2**.



WIRING DIAGRAM

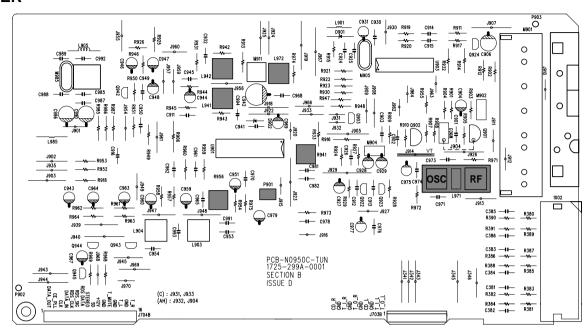


BLOCK DIAGRAM

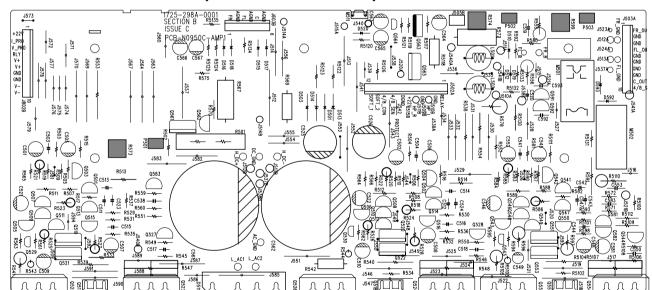


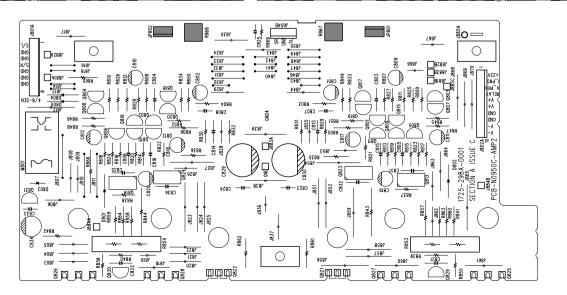
ADJUSTMENT POINTS DIAGRAM

1. TUNER

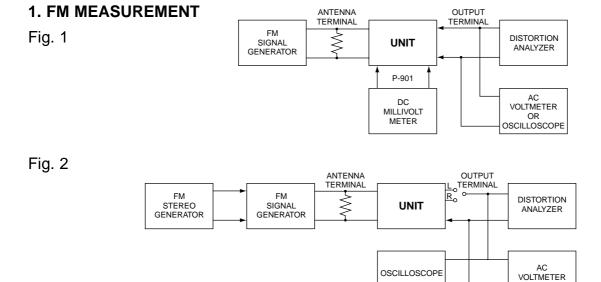


2. IDLE CURRENT - Front Amplifier & Surround Amplifier Board

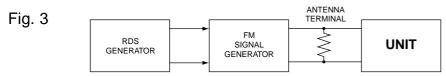


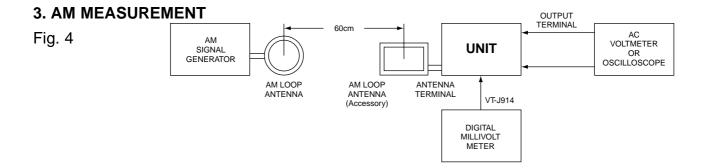


INSTRUMENT SETUP



2. RDS MEASUREMENT





ALIGNMENT PROCEDURES

AMPLIFIER SECTION

Idle Current

Step	Item	Adjustment	Adjust for	
1	Front Left Channel	R574	2mV±0.2mV	
2	Front Right Channel	R573	2mV±0.2mV	
3	Center Channel	R599	2mV±0.2mV	
4	Rear Left Channel	Voltmeter to JP801 on Surround Amplifier Board (PCB N0901C-AMP2)	R867	2mV±0.2mV
5	Rear Right Channel	Voltmeter to JP802 on Surround Amplifier Board (PCB N091C-AMP2)	R868	2mV±0.2mV

FM/RDS SECTION

FM mono: 1kHz, 75kHz devi., 60dB/μV
 FM stereo: 1kHz, 67.5kHz devi., 60dB/μV
 Pilot signal 19kHz 7.5kHz devi.

OUTPUTS

- Connect the non-inductive type resistor of 8 ohms to the all speaker terminals unless otherwise noted.

Item	Step	Connection of instrument	FM SG output	Stereo mod- ulator output	Tuning frequency	Output indicator	Adjustment point	Adjust for	Remarks
	1					DC voltmeter	L941	0±100mV	FM MUTE/MODE
FM IF/RF	2	Fig.1	99.0MHz 1kHz 75kHz devi.	-	99.0MHz	AC voltmeter	IFT on the front end	Maximum	switch: ON/AUTO Repeat the steps 1 to 3 until no fur-
	3		65dBf (60dB)			Distortion analyzer	L942	Minimum	ther adjustment is necessary.
Stereo Distortion		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Distortion analyzer	IFT on the front end	Minimum	FM MUTE/MODE switch: ON/AUTO Don't turn more than +/-180°
Stereo Separation		Fig.2	99.0MHz Ext. mod. 65dBf (60dB)	Channel L or R 1kHz	99.0MHz	Oscilloscope	R956	Maximum separation	Repeat stereo distortion and stereo separation alignment until THD at minimum and separation at maximum.
Muting Level		Fig.1	99.0MHz 18dB	-	99.0MHz	Oscilloscope	R941	Signal output	
RDS			99.0MHz Ext. mod.65dBf(60dB) RDS 2% MOD	_	99.0MHz	_	-	_	Decode the RDS- Program Station.

AM SECTION

AM Modulation: 400Hz, 30%

For AH Version

Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	ı	530kHz	Digital DC voltmeter	OSC coil on RF block L971	1.35±0.2V
2	600kHz 400Hz 30% mod. 60dB/m	600kHz	AC voltmeter	RF coil on RF block L971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	990kHz	AC voltmeter	L972	Maximum

For C Version

Step	AM SG output	Tuning frequency	Output indicator	Adjustment point	Adjust for
1	-	522kHz or 531kHz	Digital DC voltmeter	OSC coil on RF block L971	1.3±0.2V (522kHz) 1.35±0.2V (531kHz)
2	600kHz 400Hz 30% mod. 60dB/m	603kHz	AC voltmeter	RF coil on RF block L971	Maximum
3	600kHz 400Hz 30% mod. 60dB/m	999kHz	AC voltmeter	L972	Maximum

IMPORTANT NOTES

1. Show the software version

Press "TUNE UP" and "TAPE MONITOR".

2. Toggle between PAL and NTSC

Press "MEMORY" and "SPEAKER A".

3. Light up all the icon on the VFL.

Press "FM/MUTE" and "SPEAKER B".

4. Toggle between 9K and 10K

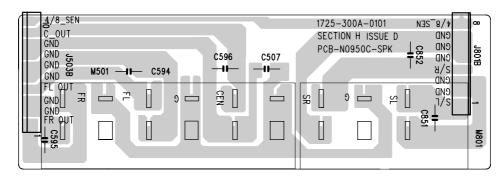
Press "FM/MUTE" and "Digital Audio Selector".

5. Clear all tuner presets

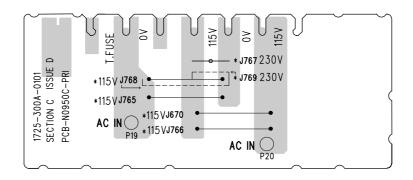
Change the setting of 9KHz / 10KHz Step.

PCB LAYOUT

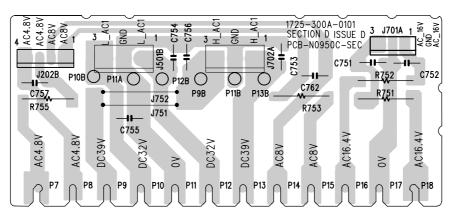
SPEAKER BOARD



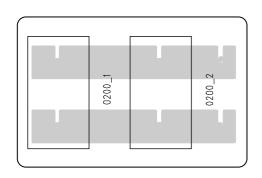
PRIMARY BOARD



SECONDARY BOARD



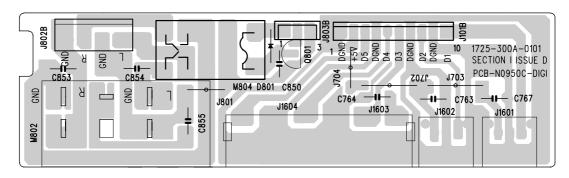
AC OUTLET BOARD



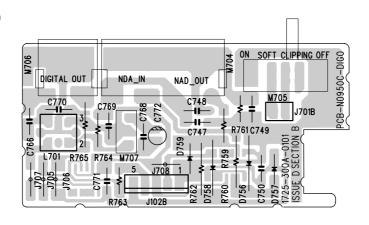
LED BOARD



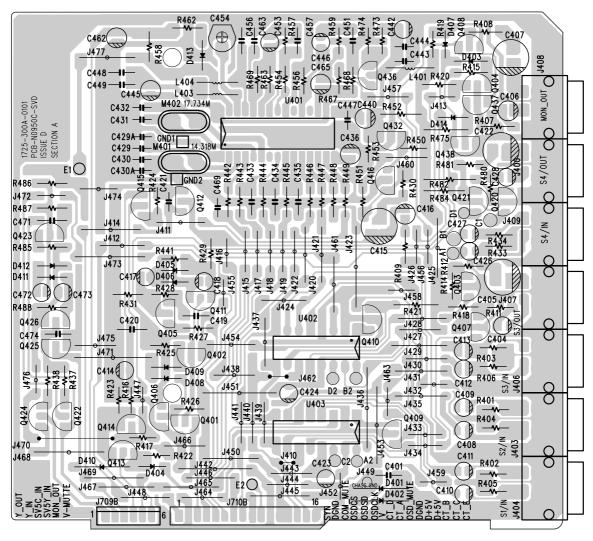
DIGITAL IN BOARD



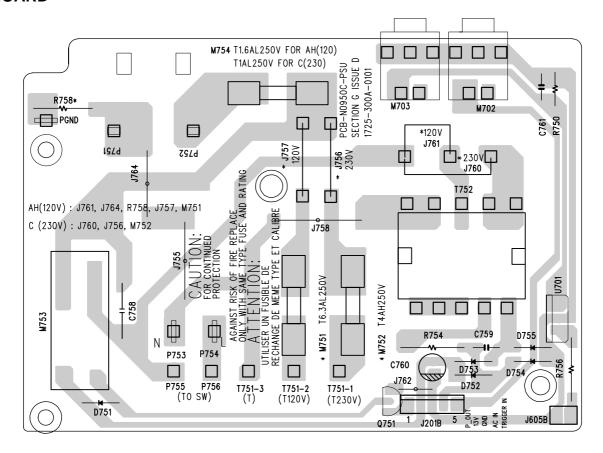
DIGITAL OUT BOARD



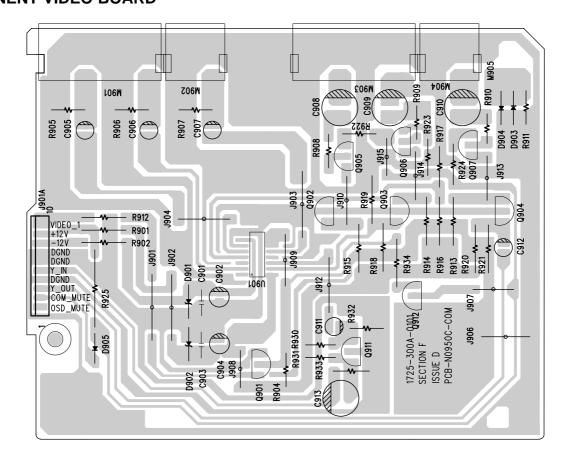
S-VIDEO BOARD



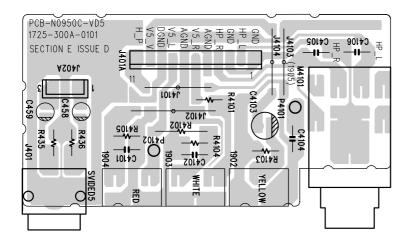
PSU BOARD



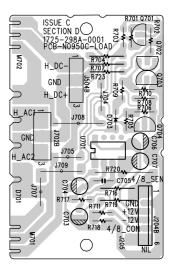
COMPONENT VIDEO BOARD



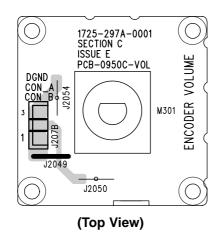
VIDEO 5 BOARD

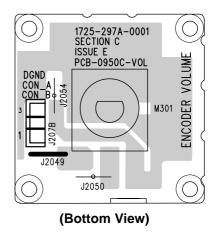


LOAD BOARD

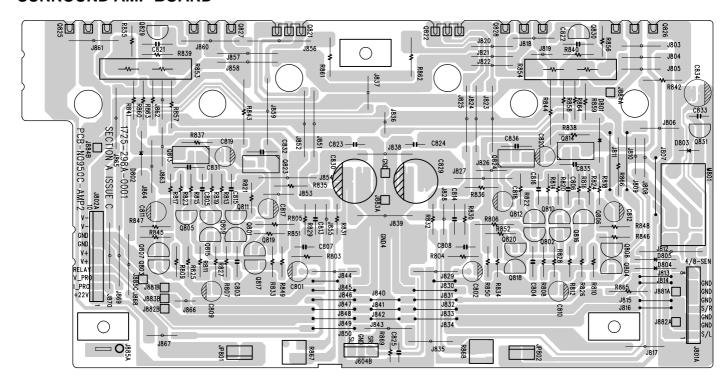


VOLUME BOARD

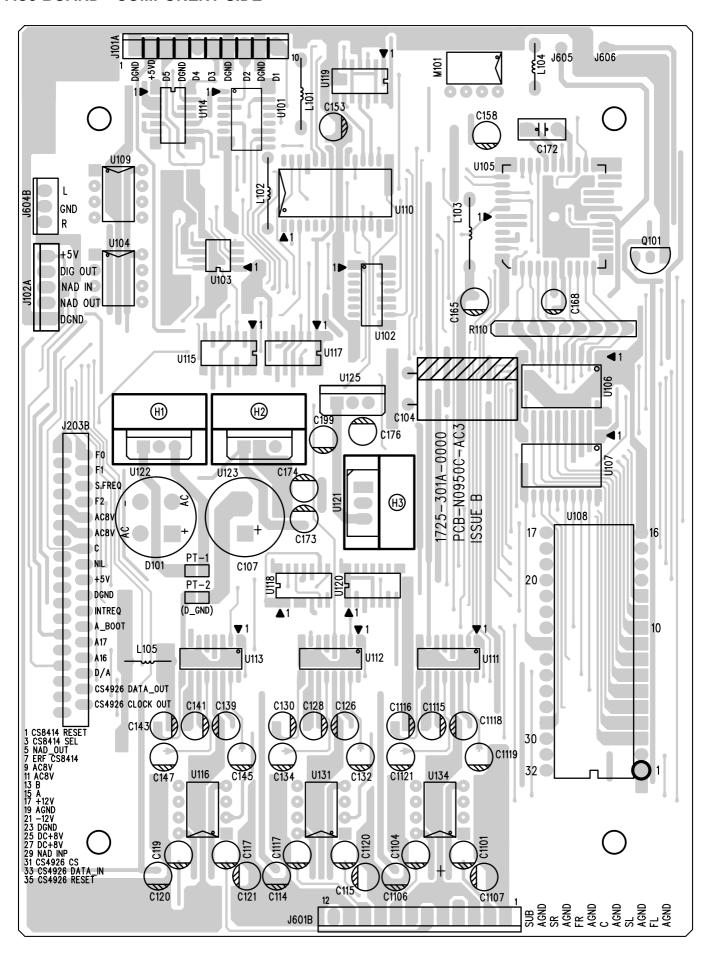




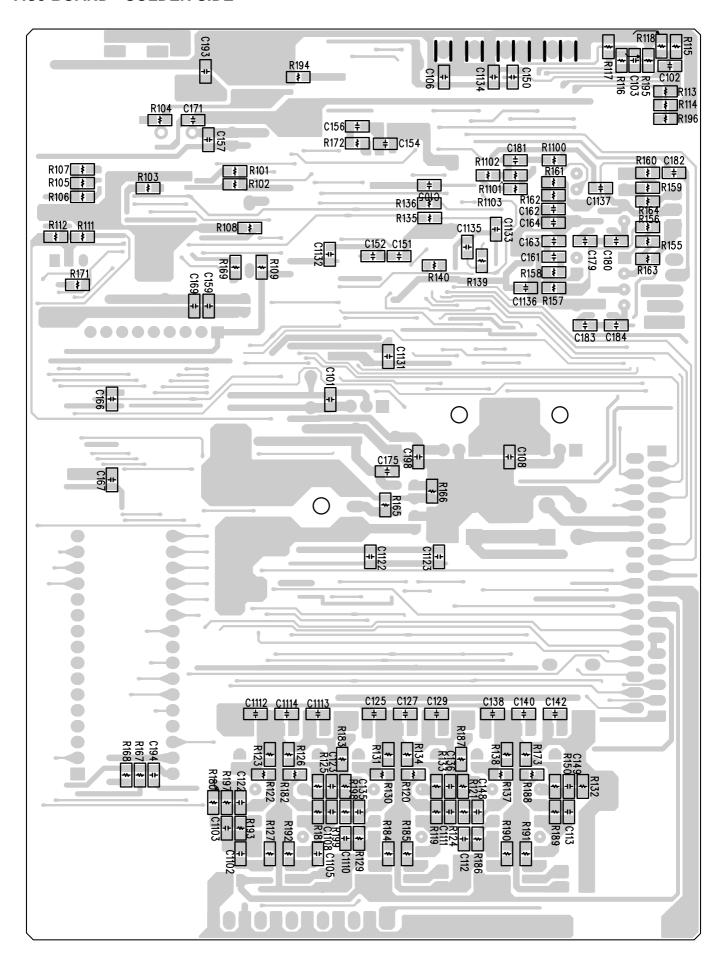
SURROUND AMP BOARD



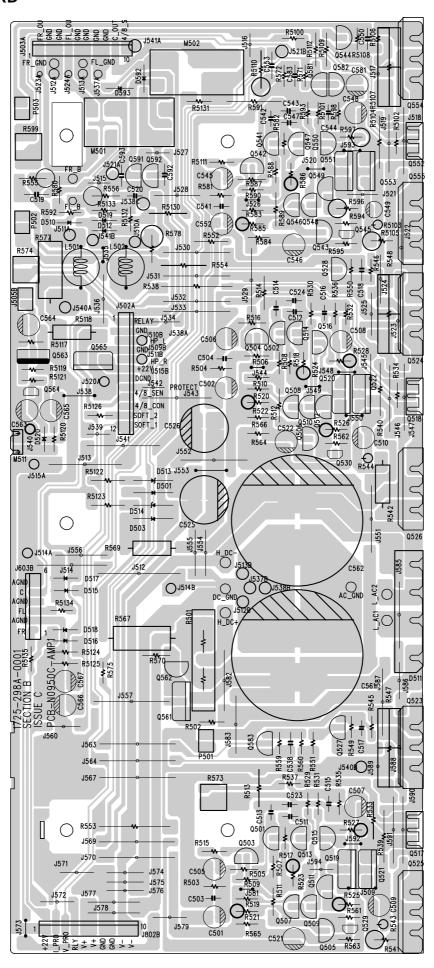
AC3 BOARD - COMPONENT SIDE



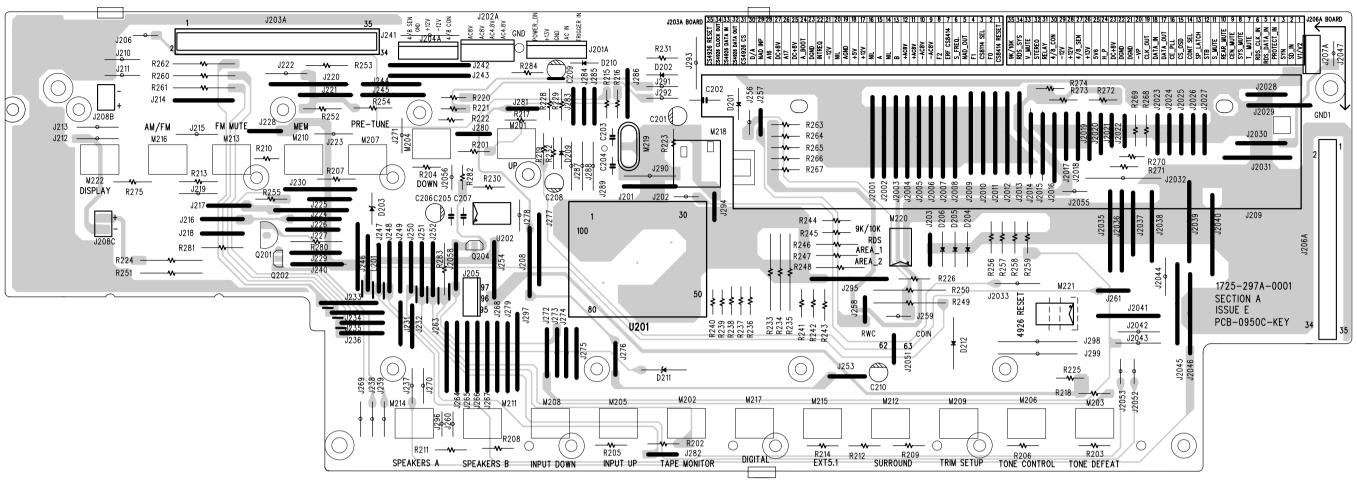
AC3 BOARD - SOLDER SIDE



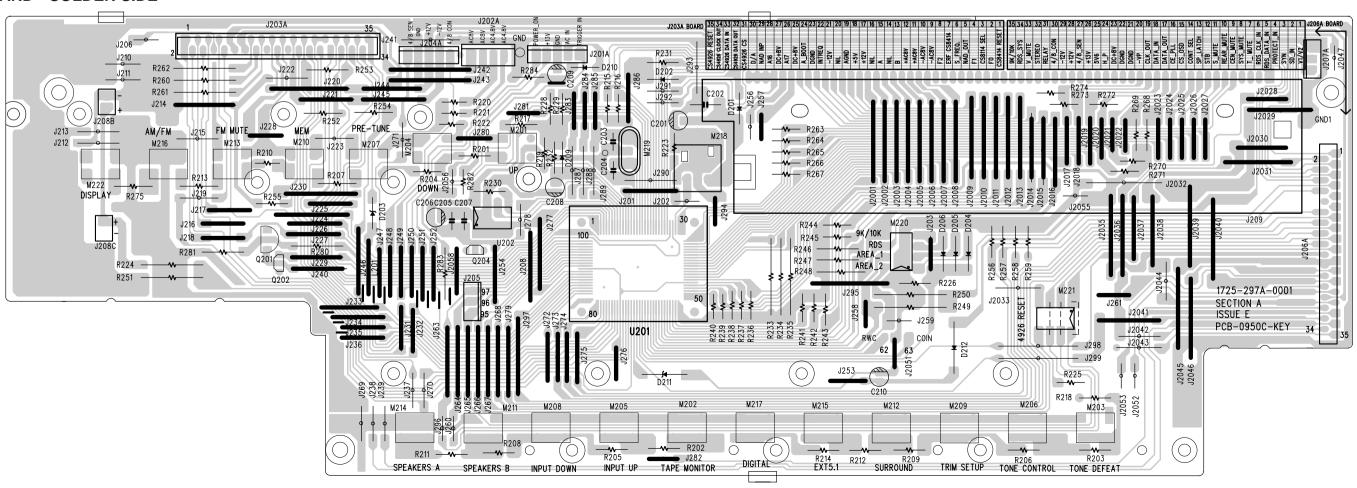
FRONT AMP BOARD



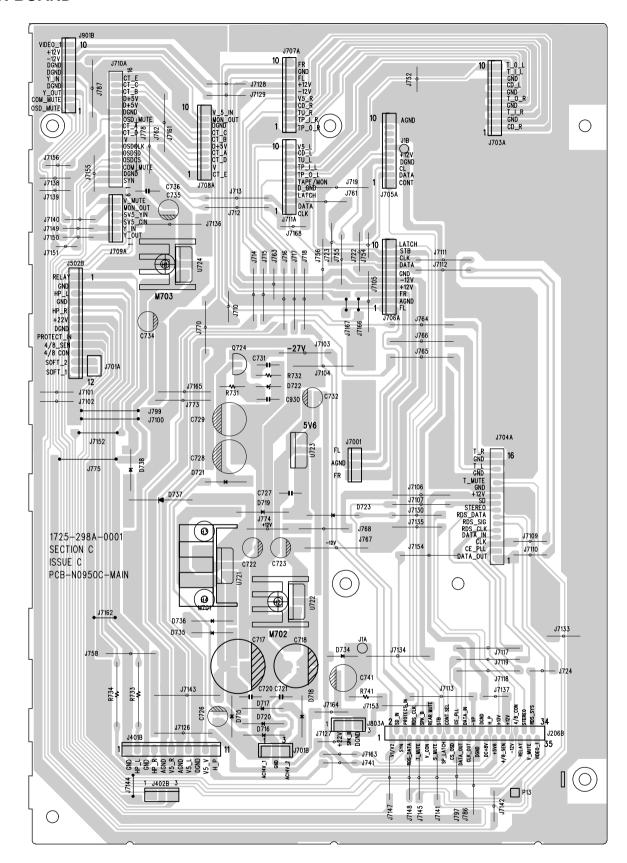
KEY BOARD - COMPONENT SIDE



KEY BOARD - SOLDER SIDE

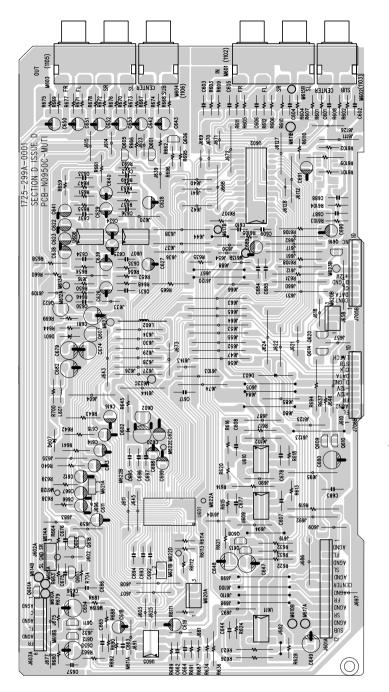


MAIN BOARD

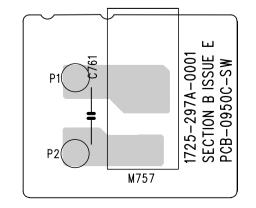


23

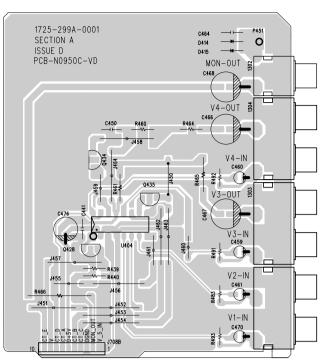
MULTI-CHANNEL BOARD



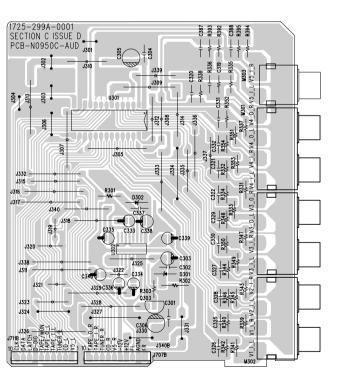
POWER SWITCH BOARD

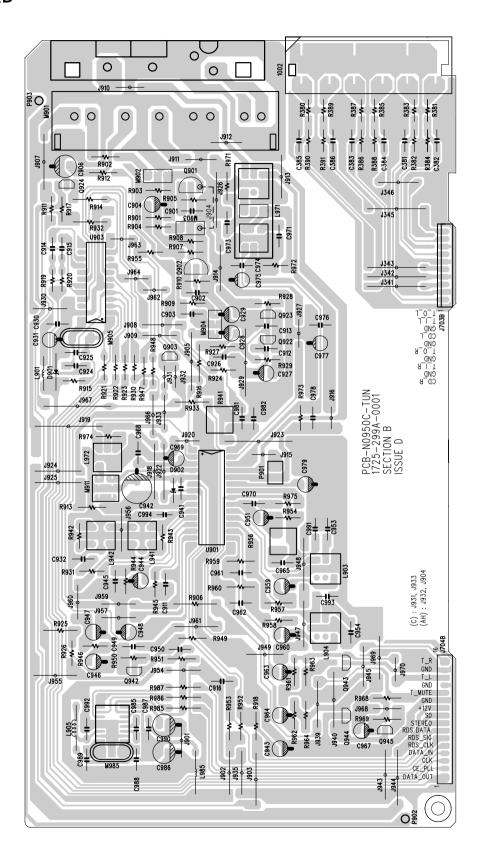


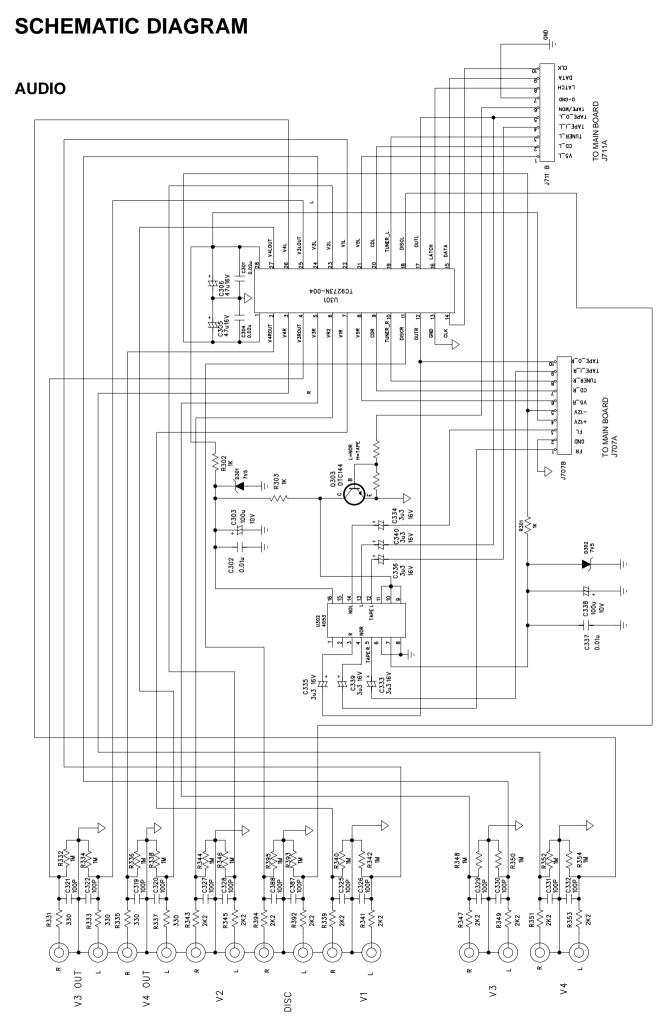
VIDEO BOARD



AUDIO BOARD

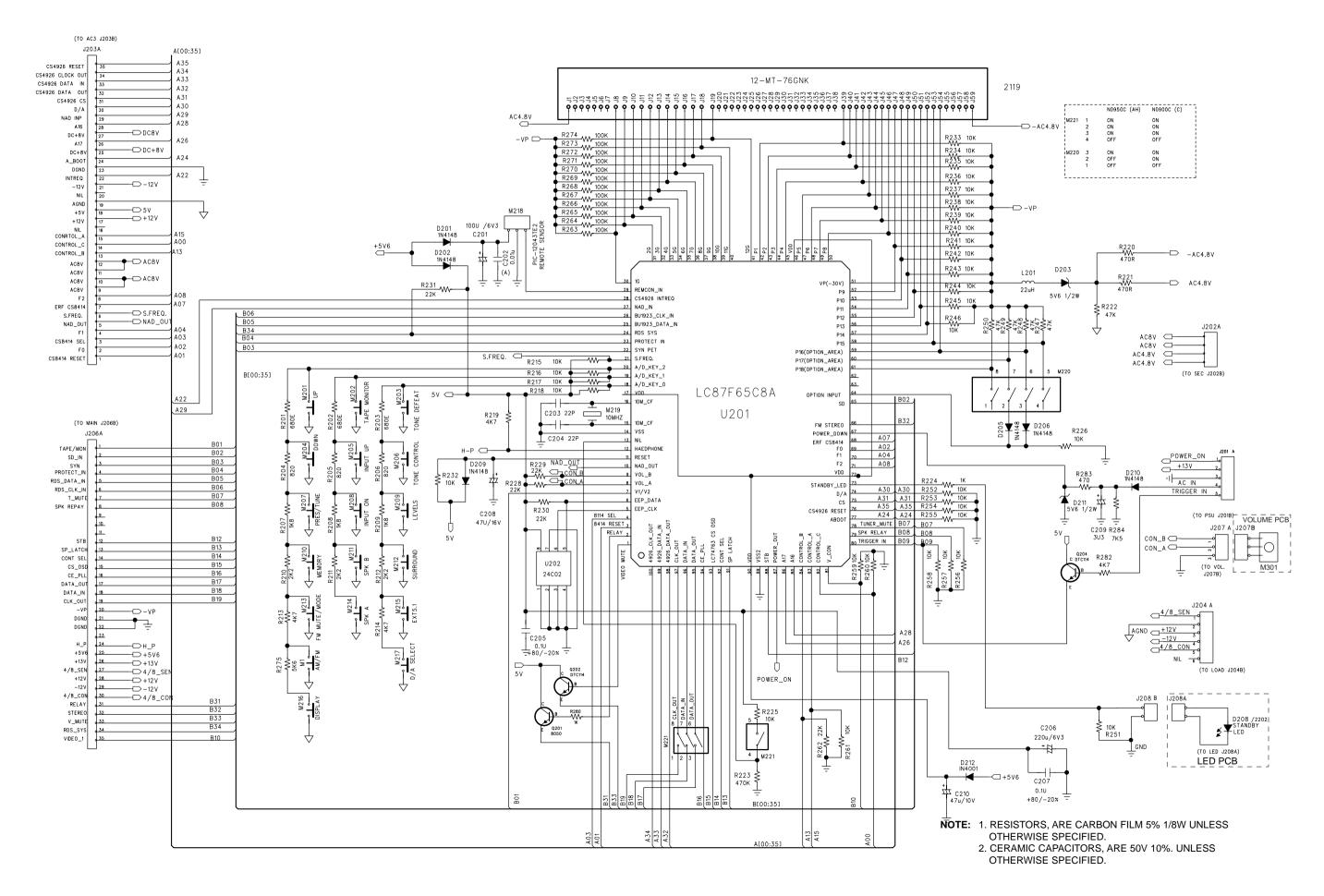




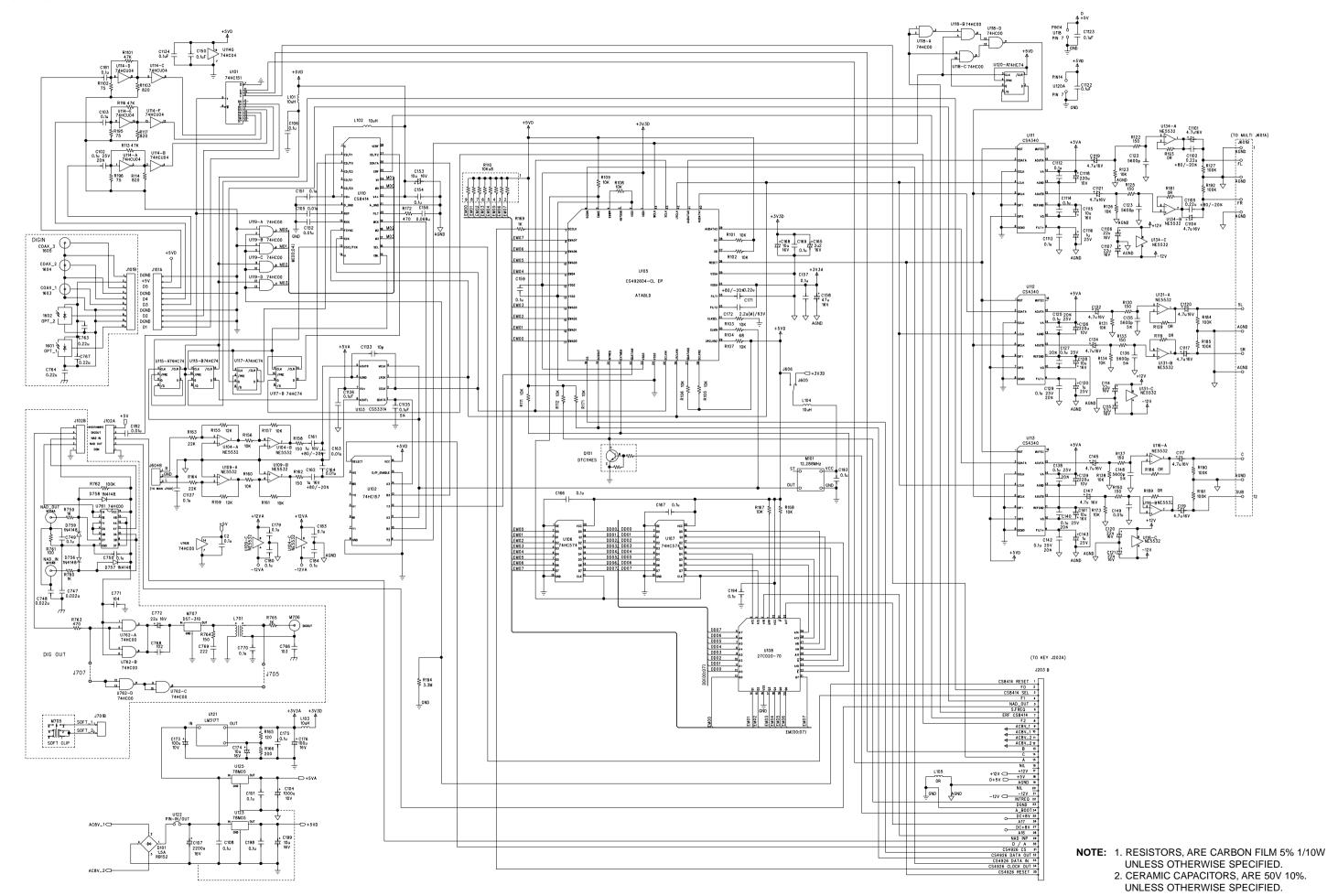


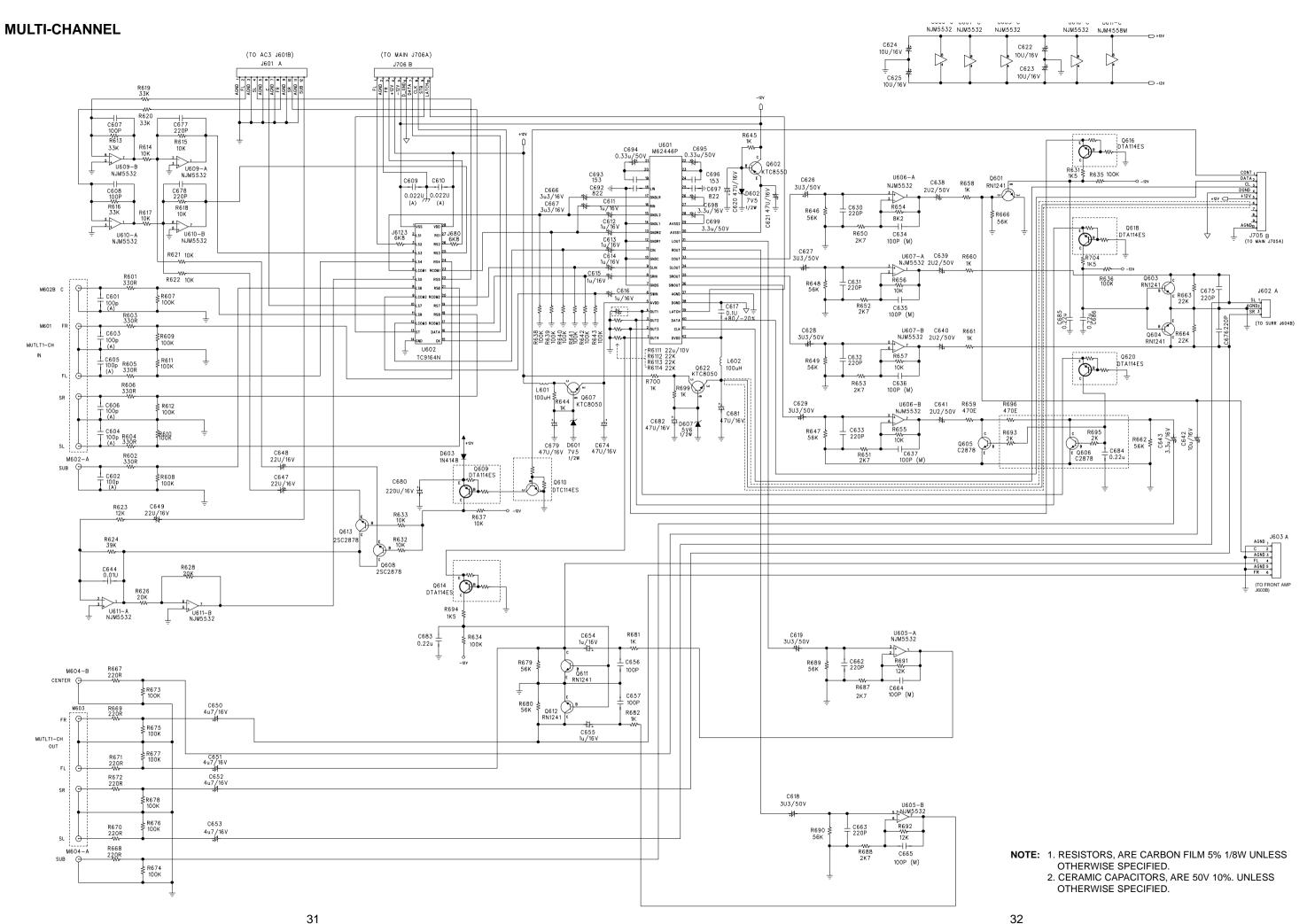
NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED. 2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

KEYBOARD

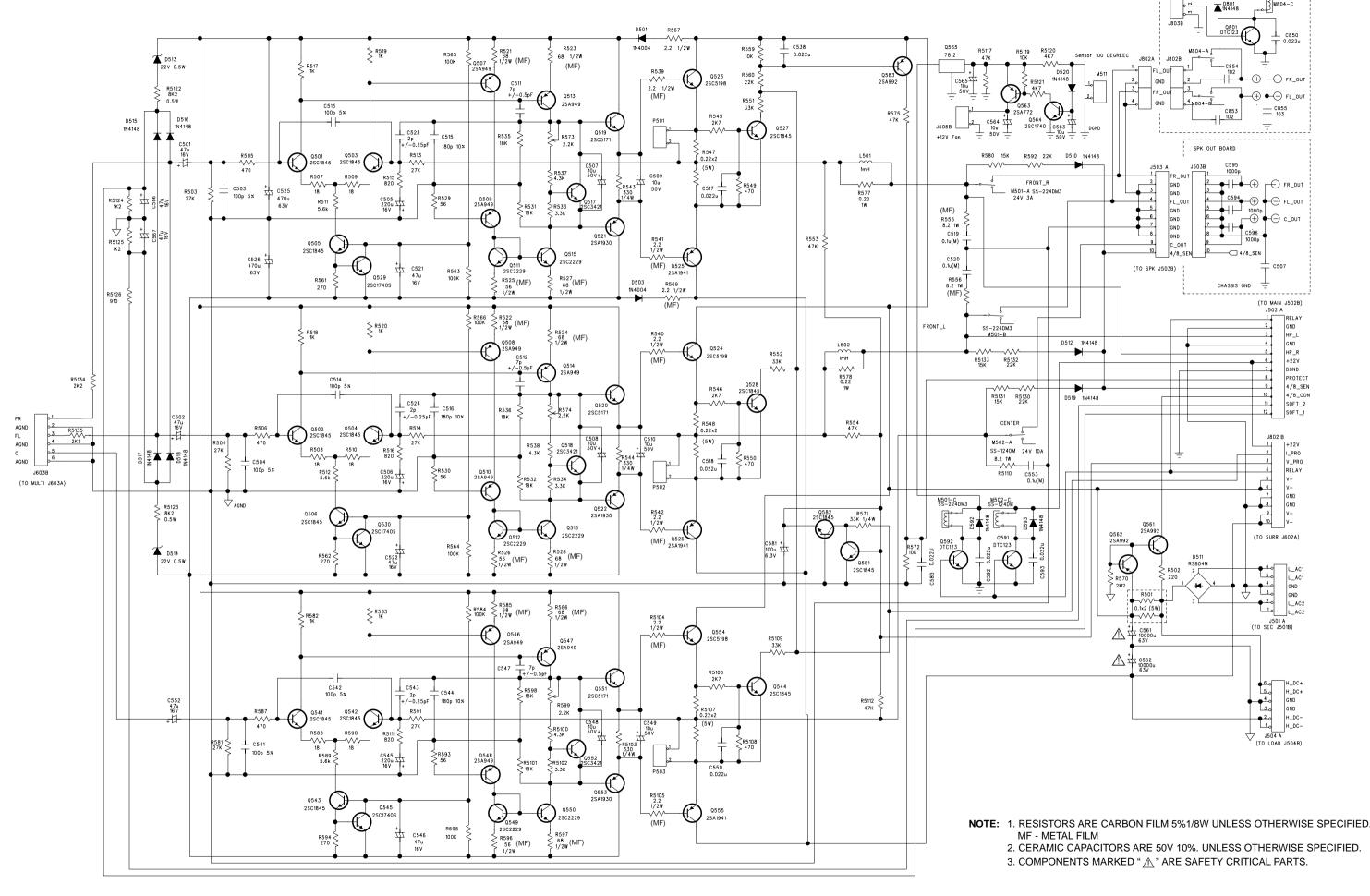


AC3 / DTS

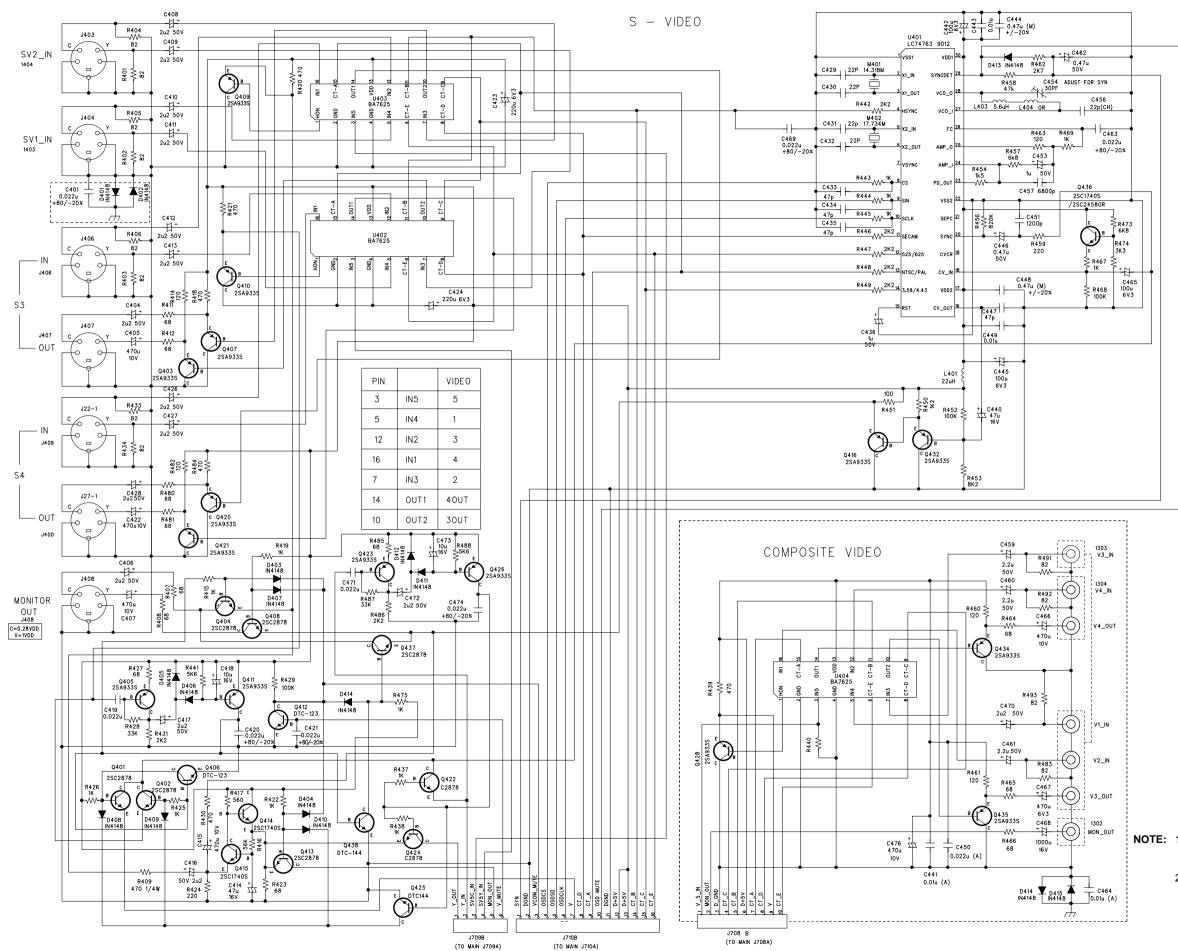




FRONT AMPLIFIER



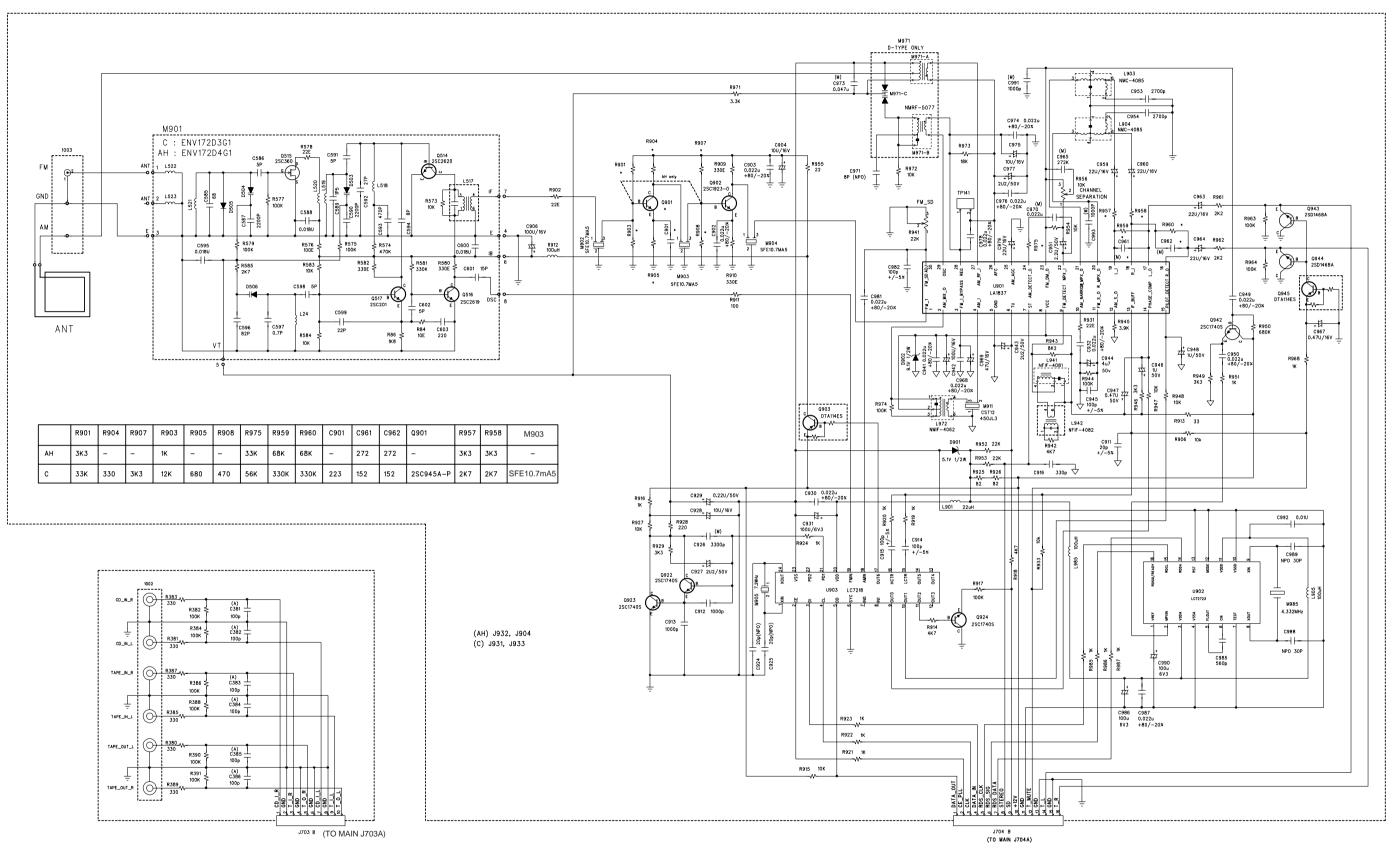
S-VIDEO / VIDEO



NOTE: 1. RESISTORS ARE CARBON FILM 5%1/8W UNLESS OTHERWISE SPECIFIED.

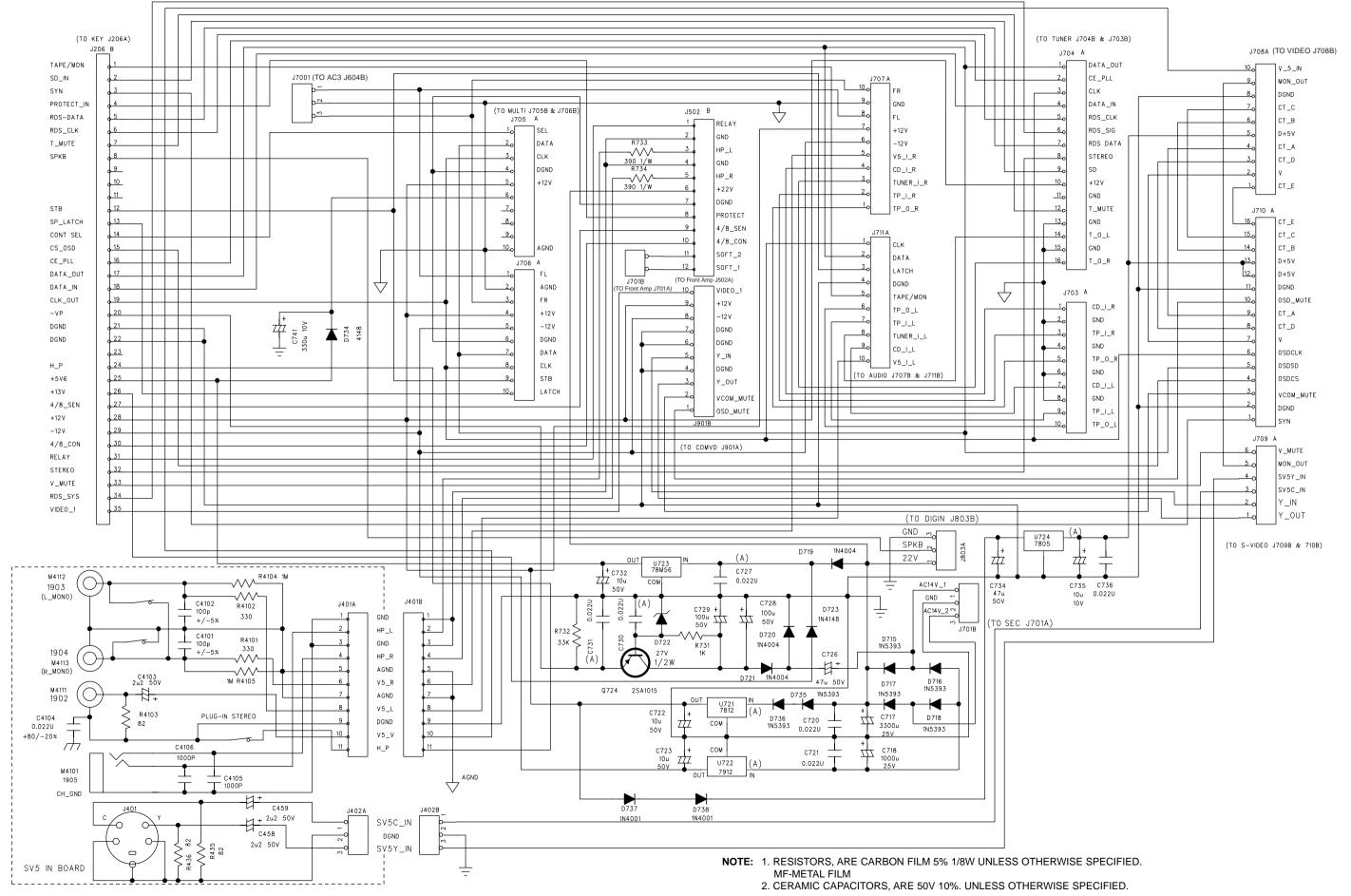
2. CERAMIC CAPACITORS ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.

TUNER

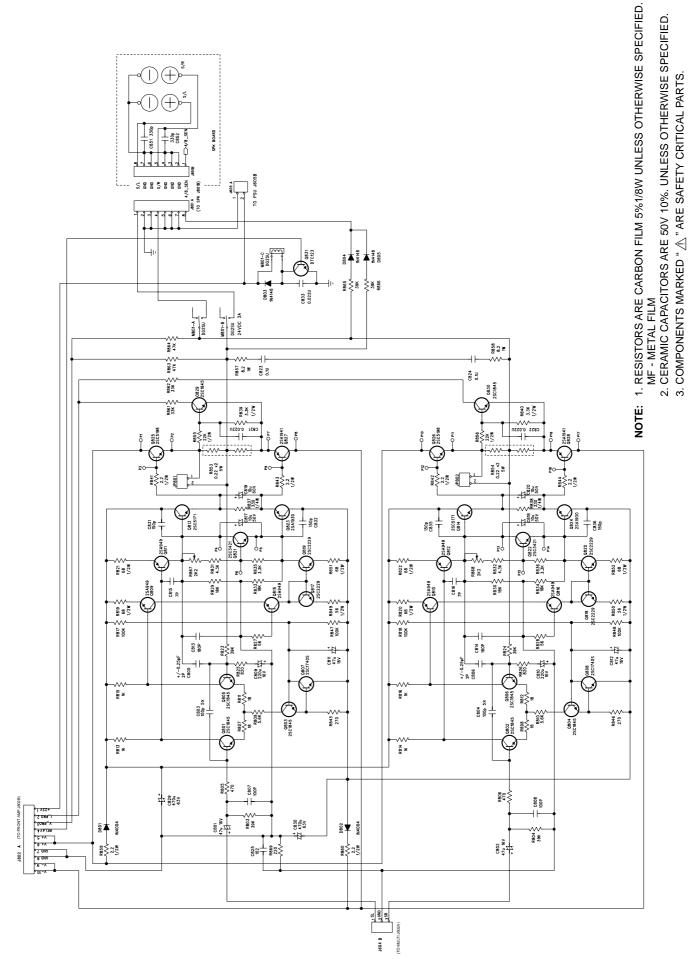


NOTE: 1. RESISTORS, ARE CARBON FILM 5% 1/8W UNLESS OTHERWISE SPECIFIED.

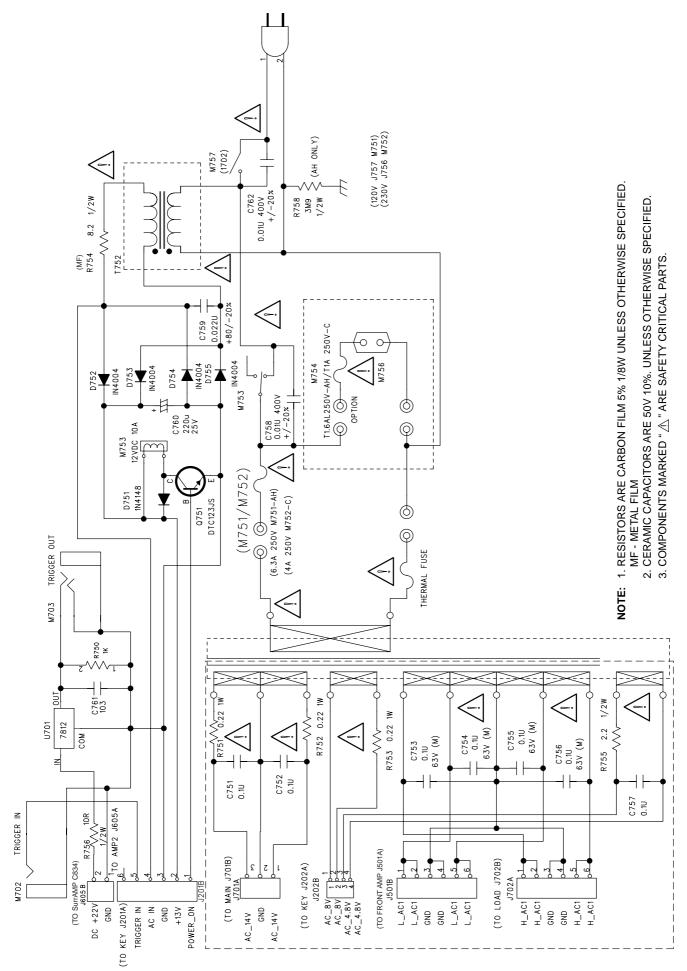
2. CERAMIC CAPACITORS, ARE 50V 10%. UNLESS OTHERWISE SPECIFIED.



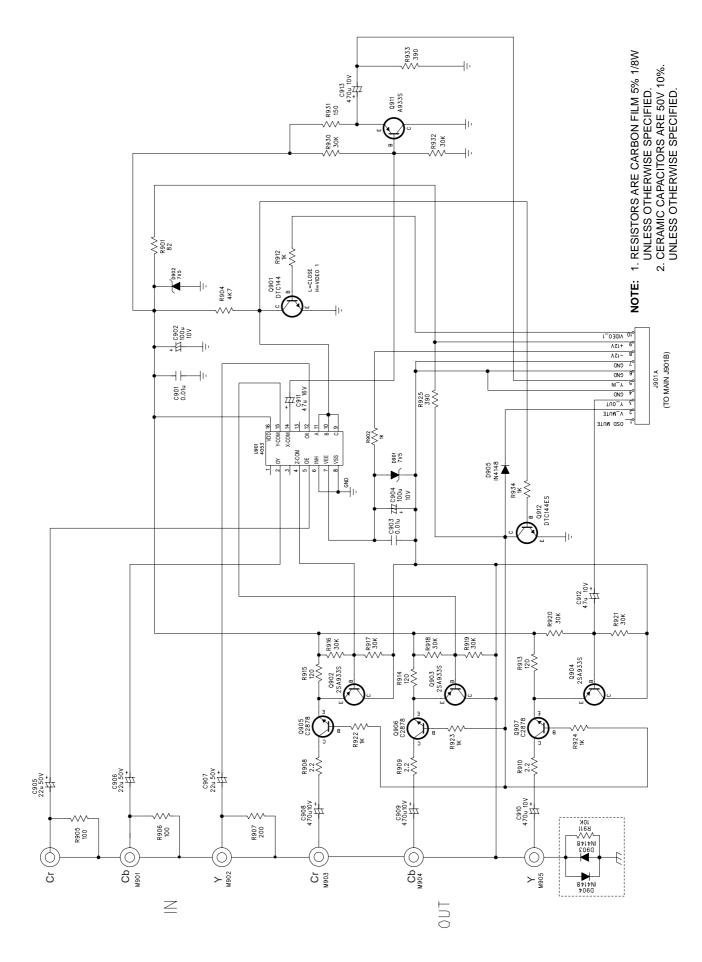
SURROUND AMPLIFIER

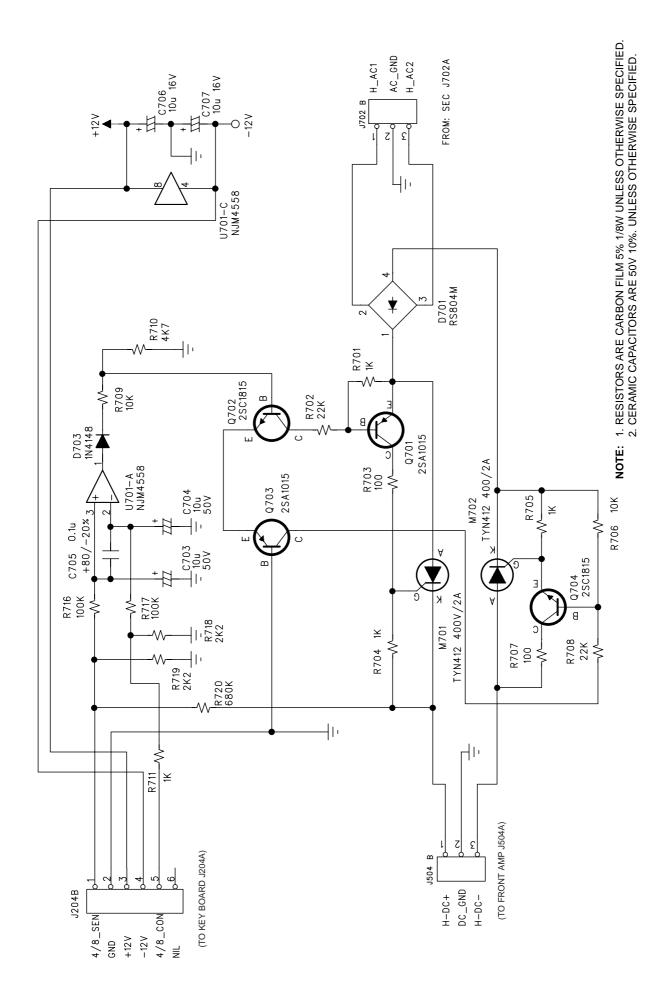


STANDBY & SECONDARY



COMPONENT VIDEO

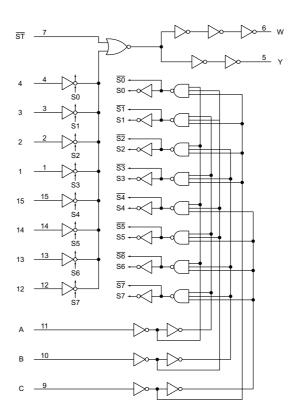




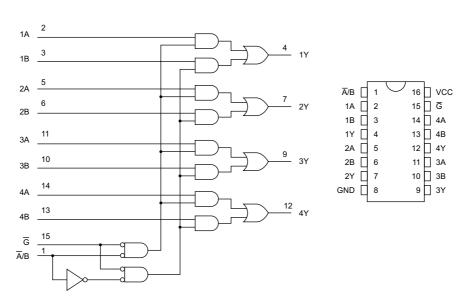
IC BLOCK DIAGRAM

AC3 BOARD U101: 74HC151

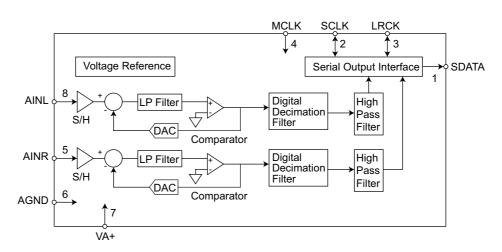




AC3 BOARD U102: 74HC157



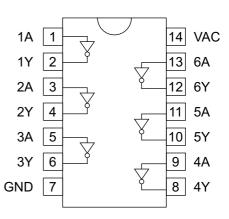
AC3 BOARD U103: CS5331A

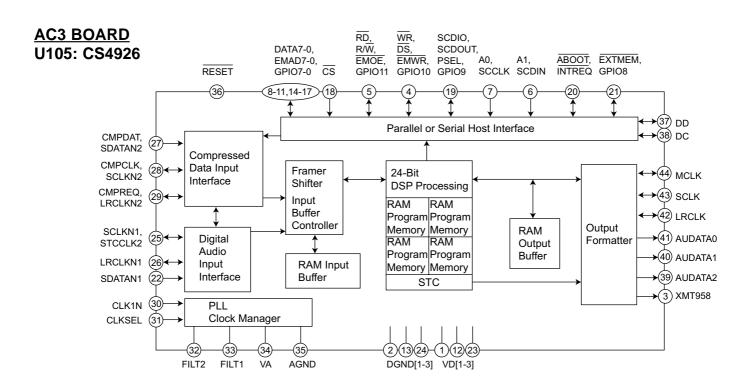


AC3 BOARD U104, U109, U116, U131 U134: NE5532

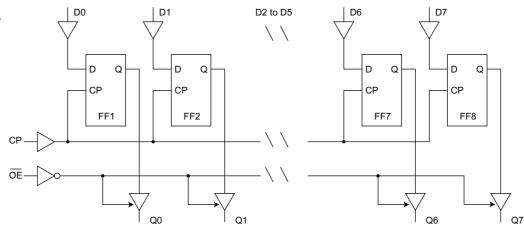
AMPLIFIER 1 OUTPUT 1 INVERTING 2 NON-INVERTING 3 V- 4 AMPLIFIER 2 8 V + 7 OUTPUT INVERTING 6 INPUT 5 INPUT

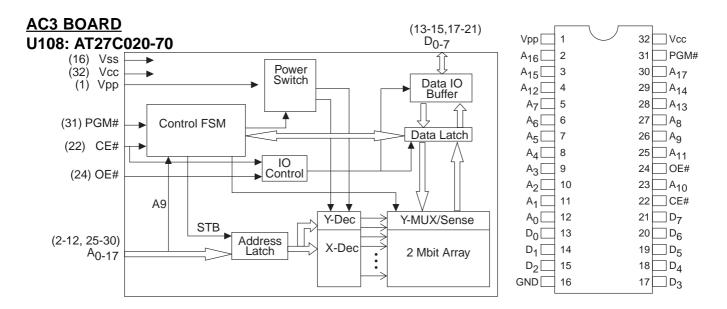
AC3 BOARD U114: 74HCU04

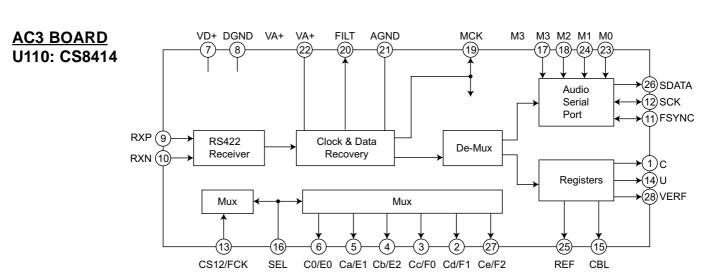




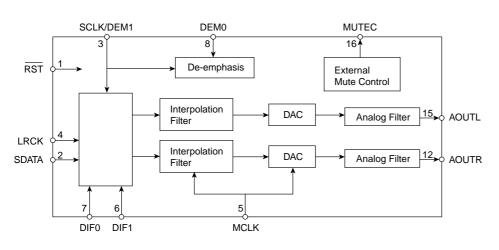




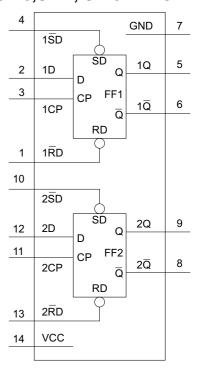




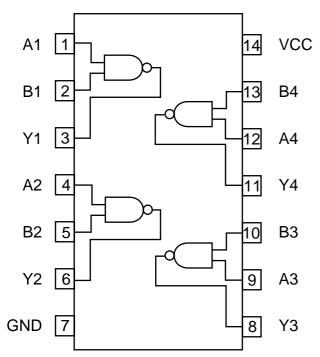




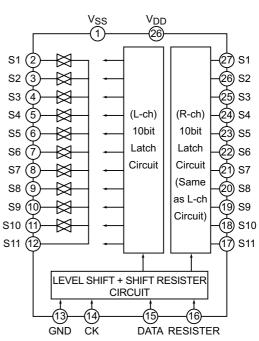
AC3 BOARD U115,U117, U120: 74HC74



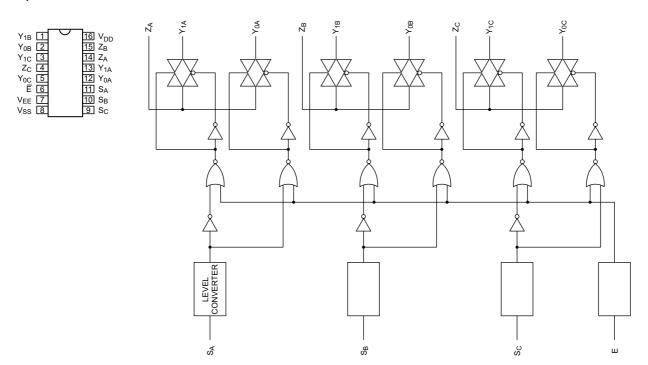
AC3 BOARD U118-U119: 74HC00



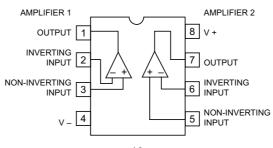
<u>AUDIO BOARD</u> U301: TC9273N-004



AUDIO BOARD / COMPONET VIDEO BOARD U302, U901: HCF4053BT

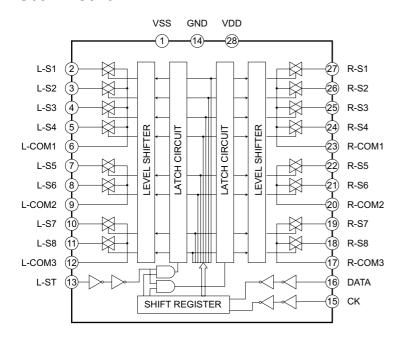


LOAD BOARD U701: NJM4558D

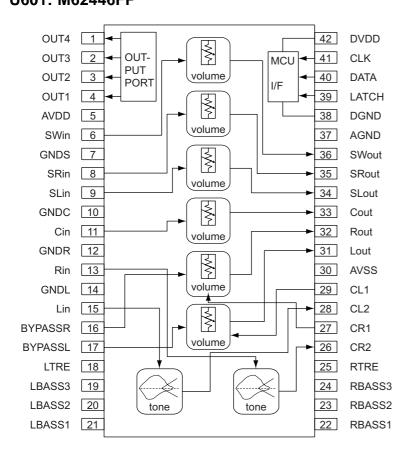


48

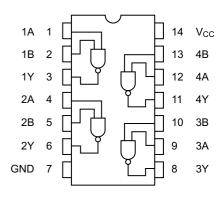
MULTI-CHANNEL BOARD U602: TC9164AN

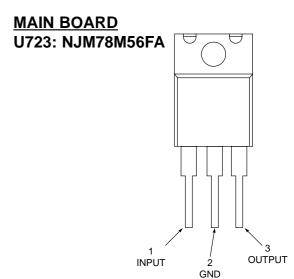


MULTI-CHANNEL BOARD U601: M62446FP

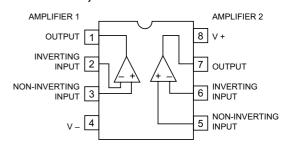


DIGITAL OUT BOARD U761,U762: 74HCT00

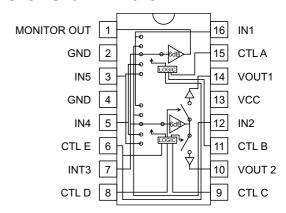




MULTI-CHANNEL BOARD U605-U607, U609-U611: NJM5532

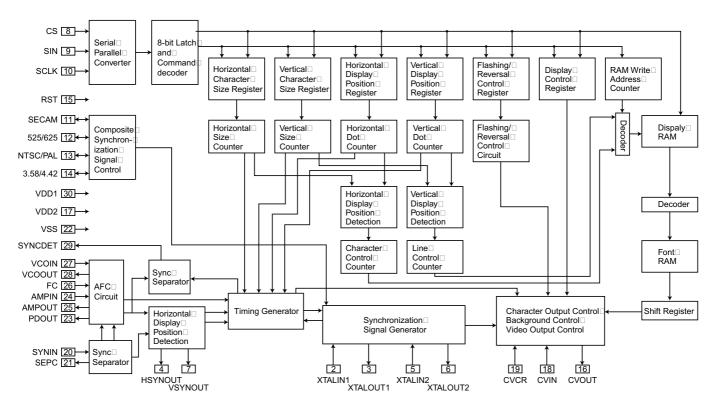


S-VIDEO & VIDEO BOARD U402-U404: BA7625

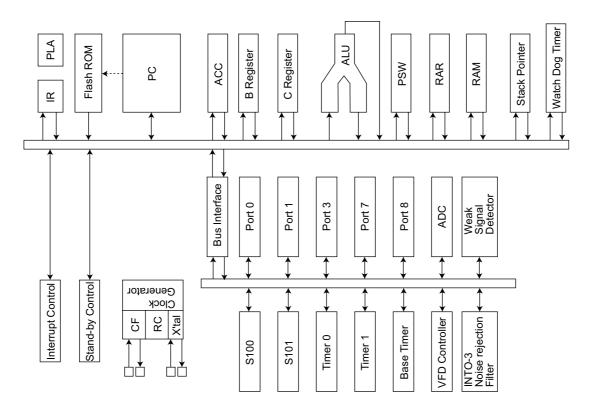


S-VIDEO & VIDEO BOARD

U401: LC74763-9012

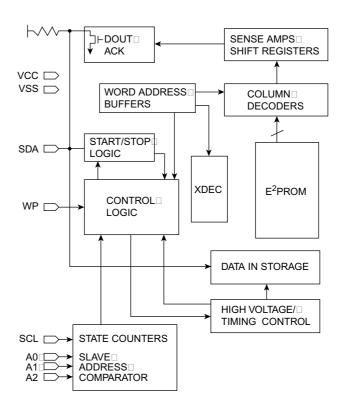


KEY BOARD U201: LC87F65C8A

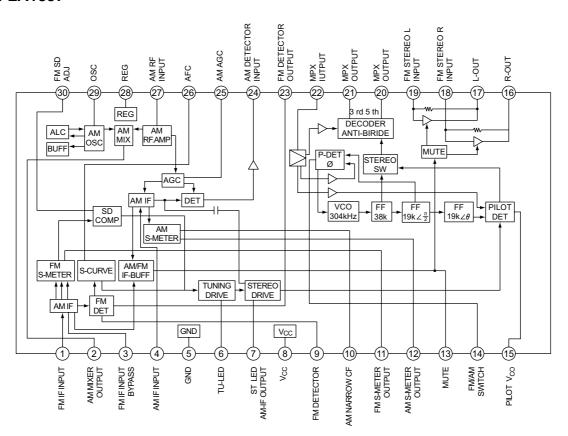


KEY BOARD U202: AT24C02

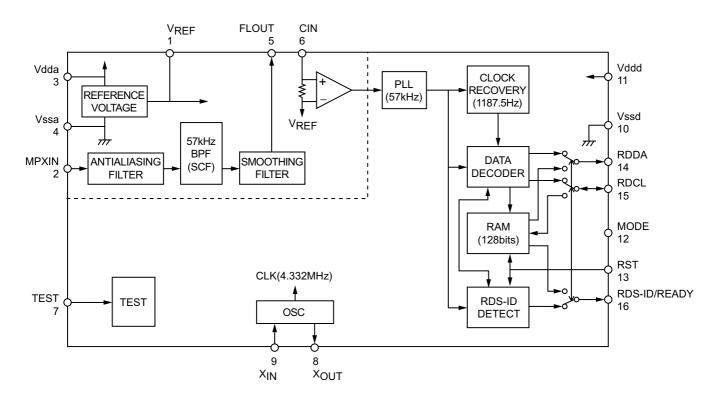




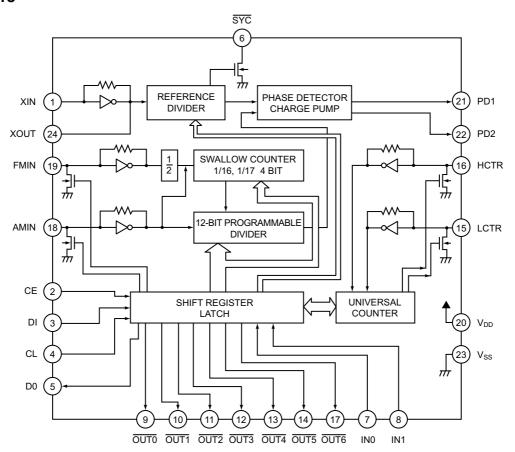
TUNER BOARD U901: LA1837



TUNER BOARD U902: LC72723M



TUNER BOARD U903: LC7218



ELECTRICAL PARTS LIST

Reference No.	Part No.	<u>Description</u>
AC3 BOARD		
PC BOARD		
0001	PCB-N0950C-AC3	AC3 ASSEMBLY
CAPACITORS		
C101, C103	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C102	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C104	157C-108M-5-S5	CE 10V 1000µF 20% RL 10x16
C105	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C106, C108	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C107	157D-228M-5-W9	CE 16V 2200µF 20% RL 12x20
C1101, C1104	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1102, C1105	15FF-224Z-J-BD	CC 50V 0.22µF +80/-20% 0805
C1106, C1107	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C1112-C1114, C1122	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C1123, C1131, C1132	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C1134, C1136, C1137 C1115	150F-104M-J-BD 157D-106M-5-GM	CC 50V 0.1μF 20% 0805 CE 16V 10μF 20% RL 4x7
C1116	157D-106M-5-GM	CE 25V 1µF 20% RL 4x7 CE 25V 1µF 20% RL 3x5
C1116	157E-105M-5-EI 157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1118	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C1119-C1121	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C1135	150F-100J-J-BD	CC 50V 10pF 5% 0805
C114, C115	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C117, C119	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C120, C121	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C122, C123	150F-562J-J-BD	CC 50V 5600pF 5% 0805
C125	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C126	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C127	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C128	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C129	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C132, C134	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C135, C136	150F-562J-J-BD 150E-104M-J-BD	CC 50V 5600pF 5% 0805
C138 C139		CC 25V 0.1µF 20% 0805
C139	157D-227M-5-KW 150E-104M-J-BD	CE 16V 220µF 20% RL 6x12 CC 25V 0.1µF 20% 0805
C140	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C141	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C143	157E-105M-5-EI	CE 25V 1µF 20% RL 3x5
C145, C147	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C148	150F-562J-J-BD	CC 50V 5600pF 5% 0805
C149, C152	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C150, C151, C157	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C156	150F-683M-J-BD	CC 50V 0.068µF 20% 0805
C158	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C159	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C161, C162	15FD-105Z-J-BD	CC 16V 1µF +80/-20% 0805
C165	157D-225M-5-GM	CE 16V 2.2µF 20% RL 4x7
C166, C167, C169	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C168	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C1102, C1105	15FF-224Z-J-BD 153F-225J-5-TOM	CC 50V 0.22µF +80/-20% 0805
C172 C173	153F-225J-5-TOM 157C-107M-5-IU	CM 50V 2.2µF RL 10X8 METALLIZED CE 10V 100µF 20% RL 5x11
0173	1373-10719-3-10	ΟΕ 10 V 100μ1 20/0 ΙΝΕ ΟΧΤΙ

Reference No.	Part No.	<u>Description</u>
C174	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C175	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C176	157C-107M-5-IU	CE 10V 100µF 20% RL 5x11
C179-C180, C183-C184	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
C199	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C181	150E-104M-J-BD	CC 25V 0.1µF 20% 0805
C182	150F-103K-J-BD	CC 50V 0.01µF 10% 0805
C193, C194, C198	150F-104M-J-BD	CC 50V 0.1µF 20% 0805
DIODE		
D101	4840-0490-0	BRIDGE RECTIFIER RB152 100V 105A
HEATSINKS		
H-U121	5400-0831-0	HEATSINK (214) 20MM-HIGH HOLE
H-U123	5400-9130-0	HEAT SINK FOR 7805 2438-17
110123	3400 3100 0	TIEAT GIVILLE ON TOOS 2430 TI
COILS		0011 40 44 404 51 50
L101-L104	1801-100K-M	COIL 10μH 10% BL7.0
CRYSTAL		
M101	2300-3060-0	X'TAL 12.288MHZ +/-20PPM HCMOS/TTL OSCILLA TOR
TRANSISTOR		
Q101	485C-114E-5	TR DTC114ES
RESISTORS		
R101-R103	4720-103J-J	RMG 1/10W 10K 5% 0805
R104	4720-680J-J	RMG 1/10W 68R 5% 0805
R105-R109	4720-103J-J	RMG 1/10W 10K 5% 0805
R110	4707-103C-5-8	RCFA 1/2W 10K 2% RL 8 9P SIP 4609X-101-103
R1100	4720-750J-J	RMG 1/10W 75R 5% 0805
R1101	4720-473J-J	RMG 1/10W 47K 5% 0805
R111, R112	4720-103J-J	RMG 1/10W 10K 5% 0805
R113	4720-473J-J	RMG 1/10W 47K 5% 0805
R115	4720-750J-J	RMG 1/10W 75R 5% 0805
R116	4720-473J-J	RMG 1/10W 47K 5% 0805
R118	4720-750J-J	RMG 1/10W 75R 5% 0805
R119	4720-000J-J	RMG 1/10W 0R 5% 0805
R122	4720-151J-J	RMG 1/10W 150R 5% 0805
R123	4720-103J-J	RMG 1/10W 10K 5% 0805
R125	4720-151J-J	RMG 1/10W 150R 5% 0805
R126	4720-103J-J	RMG 1/10W 10K 5% 0805
R127	4720-104J-J	RMG 1/10W 100K 5% 0805
R129	4720-000J-J	RMG 1/10W 0R 5% 0805
R130	4720-151J-J	RMG 1/10W 150R 5% 0805
R131	4720-103J-J	RMG 1/10W 10K 5% 0805
R133	4720-151J-J	RMG 1/10W 150R 5% 0805
R134	4720-103J-J	RMG 1/10W 10K 5% 0805
R135, R136	4720-102J-J	RMG 1/10W 1K 5% 0805
R137	4720-151J-J	RMG 1/10W 150R 5% 0805
R138	4720-103J-J	RMG 1/10W 10K 5% 0805
R139 R140	4720-102J-J 4720-101J-J	RMG 1/10W 1K 5% 0805 RMG 1/10W 100R 5% 0805
R140 R150	4720-1013-3 4720-151J-J	RMG 1/10W 150R 5% 0805
R155	4720-1513-3 4720-153J-J	RMG 1/10W 150K 5% 0805
R156, R157	4720-193J-J 4720-103J-J	RMG 1/10W 10K 5% 0805
R158	4720-1033-3 4720-151J-J	RMG 1/10W 150R 5% 0805
R159	4720-1513-3 4720-153J-J	RMG 1/10W 150K 5% 0805
R160, R161	4720-103J-J	RMG 1/10W 10K 5% 0805
	1 20 1000 0	1 1/1011 1011 0/0 0000

Reference No.	Part No.	Description
R162	4720-151J-J	RMG 1/10W 150R 5% 0805
R163, R164	4720-1513-3 4720-223J-J	RMG 1/10W 150K 5% 0805 RMG 1/10W 22K 5% 0805
R165	4720-2233-3 4720-121J-J	RMG 1/10W 22R 5% 0805 RMG 1/10W 120R 5% 0805
R166	4720-1213-3 4720-201J-J	RMG 1/10W 200R 5% 0805
R167, R168	4720-2013-3 4720-103J-J	RMG 1/10W 200K 5% 0005
R169	4720-1033-3 4720-102J-J	RMG 1/10W 10K 5% 0805
R171	4720-1023-3 4720-103J-J	RMG 1/10W 1K 5% 0805
R172	4720-1033-3 4720-471J-J	RMG 1/10W 470R 5% 0805
R173	4720-103J-J	RMG 1/10W 10K 5% 0805
R181	4720-000J-J	RMG 1/10W 0R 5% 0805
R184, R185	4720-104J-J	RMG 1/10W 100K 5% 0805
R186, R189	4720-000J-J	RMG 1/10W 0R 5% 0805
R190-R192	4720-104J-J	RMG 1/10W 100K 5% 0805
R193	4720-000J-J	RMG 1/10W 0R 5% 0805
R194	4720-335J-J	RMG 1/10W 3.3M 5% 0805
17134	4720 0000 0	14WG 1710W 0.0W 070 0000
ICs		
U101	3131-7230-0	IC 74HC151 QUAD 4-PIN MUX SOP16 SMD
U102	3131-3870-0	IC 74HC157 QUAD 2-INPUT MUX SO16
U103	3131-3700-0	IC CS5331A 18BIT A/D CONVERTER CRYSTAL
U104	3130-9560-0	NJM5532 IC 'DIP8'
U105	3131-3720-0	IC CS4926 DSP CRYSTAL
U106, U107	3130-8980-0	IC 74HC574 8X D-TYPE LATCHES
U108	3131-9320-0	IC AT27C020-70 256Kx8
U109	3130-9560-0	NJM5532 IC 'DIP8'
U110	3130-8890-0	IC CS8414 DIR 96KHZ 24BIT
U111-U113	3131-3710-0	IC CS4340 D/A CONVERTER CRYSTAL
U114	3131-9100-0	IC 74HCU04 HEX INVERTERS (SOP)
U115	3130-6590-0	IC 74HC74 DUAL D-TYPE FLIP-FLOP
U116	3130-9560-0	NJM5532 IC 'DIP8'
U117	3130-6590-0	IC 74HC74 DUAL D-TYPE
U118, U119	3131-9050-0	IC 74HC00 QUAD 2I/P NAND GATE SOP
U120	3130-6590-0	IC 74HC74 DUAL D-TYPE
U121	3130-5610-0	IC LM317T+ADJ REGULATOR
U123, U125	3130-2020-2	IC 7805 REG 5V
U131, U134	3130-9560-0	NJM5532 IC 'DIP8'
FRONT AMP BOARD		
PC BOARD		
0002	PCB-N0950C-AMP1	POWER AMP L/R/C ASSEMBLY
0002	1 05 1100000 7 11111 1	TOWERTH BITTOTHOSEMBET
CAPACITORS		
C501, C502	157D-476M-5-IM	CE 16V 47µF 20% RL 5x7
C503, C504	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C505, C506	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C507-C510	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C511, C512	150F-070D-5-GG	CC 50V 7pF 0.5pF RL 4x4
C513, C514	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C515, C516	150F-181K-5-GG	CC 50V 180pF 10% RL 4x4
C517, C518	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C519, C520	153F-104J-5-QUN	CM 50V 0.1µF RL (9X11) POLYESTER
C521, C522	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C523, C524	15CH-020C-5-GG	CTC 0/60 2pF 0.25pF RL 4x4
C525, C526	157I-477M-5-X&	CE 63V 470µF 20% RL 12.5x25
C538	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C541, C542	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C543	15CH-020C-5-GG	CTC 0/60 2pF 0.25pF RL 4x4
C544	150F-181K-5-GG	CC 50V 180pF 10% RL 4x4
C545	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C546	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11

Reference No.	Part No.	<u>Description</u>
C547	150F-070D-5-GG	CC 50V 7pF 0.5pF RL 4x4
C548, C549	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C550	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C552	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C553	153F-104J-5-QUN	CM 50V 0.1µF RL (9x11)
C561, C562	8910-0494-0	CE 63V 12000µF 20% ŔL 30X50
C563-C565	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C566, C567	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C581	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C583, C592, C593	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
DIODES		
D501, D503	4804-0040-1	DIODE 1N4004 AL
D510	4804-1480-C	DIODE 1N4148 ATS
D511	4840-7060-0	DIODE BRIDGE RS804M
D512	4804-1480-C	DIODE 1N4148 ATS
D513-D520	4840-0850-0	ZD 1/2W 21.52-22.63V AT
D592, D593	4804-1480-C	DIODE 1N4148 ATS
COILS L501, L502	1804-0540-0	SPRING COIL 1MH
L301, L302	1804-0340-0	SPRING COIL TWIT
RELAYS		
M501	4500-0910-0	RELAY 24VDC,125VA,3A
M502	4500-0900-0	RELAY 24VDC,250VAC,10A
THERMISTOR		
M511	8910-0489-0	THERMISTOR 100C PTH9M04BD222TS2F333
TRANSISTORS		
Q501-Q506	4860-0190-5	TR 2SC 1845 (F.E) RL
Q507-Q510	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q511, Q512	485C-2229-5	TR 2SC2229-0 HFE 70-140 TOSHIBA
Q513, Q514	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q515, Q516	485C-2229-5	TR 2SC2229-0 HFE 70-140
Q517, Q518	4860-1220-5	TR 2SC3421 (0,Y) RL TSB
Q519, Q520	485C-5171-5	TR 2SC5171 HFE 100-320
Q521, Q522	485A-1930-5	TR 2SA1930 HFE 100-320
Q523, Q524	4860-5210-5	TR 2SC5198-0 HFE 80-160 70W TOSHIBA
Q525, Q526	4860-5220-5	TR 2SA1941-0 HFE 80-160 70W TOSHIBA
Q527, Q528	4860-0190-5	TR 2SC 1845 (F.E) RL
Q529, Q530 Q541-Q545	4860-1590-5 4860-0190-5	TR 2SC1740S (R) HFE180-390 TR 2SC1845 (F.E) RL
Q546-Q548	485A-9490-5	TR 2SA949-O HFE 70-140
Q549, Q550	485C-2229-5	TR 2SA949-0 HFE 70-140 TR 2SC2229-0 HFE 70-140
Q549, Q550 Q551	485C-5171-5	TR 2SC2229-0 HFE 70-140 TR 2SC5171 HFE 100-320
Q551 Q552	4860-1220-5	TR 2SC3171 HFE 100-320 TR 2SC3421 (0,Y) RL TSB
Q552 Q553	485A-1930-5	TR 2SA1930 HFE 100-320
Q554	4860-5210-5	TR 2SC5198-0 HFE 80-160
Q555	4860-5220-5	TR 2SA1941-0 HFE 80-160
Q561, Q562	4850-992F-5	TR 2SA992 HFE 300-600
Q563	485B-772P-5	TR 2SB772P PNP POWER TR
Q564	4860-1590-5	TR 2SC1740S
Q565	3130-2520-3	IC 7812 12V REGULATOR
Q581, Q582	4860-0190-5	TR 2SC 1845 (F.E) RL
Q583	4850-992F-5	TR 2SA992 HFE 300-600
Q591, Q592	485C-123J-5	TR DTC123JSA ROHM
RESISTORS		
R501	474B-R10K-5-02	RWR 5W 0.1RX2 10% RL

Reference No.	Part No.	Description
R502	4701-221J-2	RCF 1/8W 220R 5% AT
R502 R505, R506	4701-221J-2 4701-471J-C	RCF 1/8W 220R 5% AT RCF 1/8W 470R 5% ATS
R507-R510	4701-180J-C	RMF 1/8W 18R 5% ATS
R503, R504	4701-1603-C 4701-273J-C	RMF 1/8W 27K 5% ATS
R5100	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R5101	4701-183J-C	RCF 1/8W 18K 5% ATS
R5102	4701-1833-C 4701-332J-C	RCF 1/8W 3.3K 5% ATS
R5103	4705-331J-2	RCF 1/4W 330R 5% AT
R5104, R5105	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R5106	4701-272J-C	RMF 1/8W 2.7K 5% ATS
R5107	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R5108	4701-471J-C	RCF 1/8W 470R 5% ATS
R5109	4701-333J-C	RCF 1/8W 33K 5% ATS
R5110	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R511, R512	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R5111	4701-821J-C	RCF 1/8W 820R 5% ATS
R5112	4701-473J-C	RCF 1/8W 47K 5% ATS
R513, R514	4701-273J-C	RMF 1/8W 27K 5% ATS
R515, R516	4701-821J-C	RCF 1/8W 820R 5% ATS
R5117	4701-473J-C	RCF 1/8W 47K 5% ATS
R5118	635N-0001-0	JUMPER WIRE
R5119	4701-103J-C	RMF 1/8W 10K 5% ATS
R5120	4701-202J-C	RCF 1/8W 2K 5% ATS
R5121	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R5122, R5123	4707-822J-2	RCF 1/2W 8.2K 5% AT
R5124, R5125	4701-122J-C	RMF 1/8W 1.2K 5% ATS
R5126	4701-911J-C	RCF 1/8W 910R 5% ATS
R5130, R5132	4701-223J-C	RCF 1/8W 22K 5% ATS
R5131, R5133	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R5134, R5135	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R517-R520	4701-102J-2	RMF 1/8W 1K 5% AT
R521-R524	4717-680J-1	RMF 1/2W 68R 5% AL
R525, R526	4717-560J-2	RMF 1/2W 56R 5% AT
R527, R528	4717-680J-1	RMF 1/2W 68R 5% AL
R529, R530	4701-560J-C	RCF 1/8W 56R 5% ATS
R531, R532, R535	4701-183J-C	RCF 1/8W 18K 5% ATS RCF 1/8W 3.3K 5% ATS
R533, R534 R536	4701-332J-C 4701-183J-C	RCF 1/8W 18K 5% ATS
R537, R538	4701-1653-C 4701-512J-C	RCF 1/8W 5.1K 5% ATS
R539-R542	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R543, R544	4717-2125-2 4705-331J-2	RCF 1/4W 330R 5% AT
R545, R546	4703-3313-2 4701-272J-C	RMF 1/8W 2.7K 5% ATS
R547-R548	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R549, R550	4701-471J-C	RCF 1/8W 470R 5% ATS
R551, R552	4701-333J-C	RCF 1/8W 33K 5% ATS
R553, R554	4701-473J-C	RCF 1/8W 47K 5% ATS
R555, R556	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R559	4701-103J-C	RMF 1/8W 10K 5% ATS
R560	4701-223J-C	RCF 1/8W 22K 5% ATS
R561, R562	4701-271J-C	RCF 1/8W 270R 5% ATS
R563-R566	4701-104J-C	RMF 1/8W 100K 5% ATS
R567, R569	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R570	4701-225J-C	RCF 1/8W 2.2M 5% ATS
R571	4705-333J-2	RCF 1/4W 33K 5% AT
R572	4701-103J-2	RMF 1/8W 10K 5% AT
R573, R574	4756-2226-3-06	SEMI-FIXED 2.2K H3 7X7.6 R0615C
R575	4701-473J-2	RCF 1/8W 47K 5% AT
R577, R578	4718-R22J-2	RMF 1W 0.22R 5% AT
R580	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R581	4701-273J-C	RMF 1/8W 27K 5% ATS

Reference No.	Part No.	<u>Description</u>
R582, R583	4701-102J-2	RMF 1/8W 1K 5% AT
R584	4701-102J-2 4701-104J-2	RMF 1/8W 100K 5% AT
R585, R586	4717-680J-1	RMF 1/2W 68R 5% AL
R588, R590	4701-180J-C	RCF 1/8W 18R 5% ATS
R587	4701-471J-C	RCF 1/8W 470R 5% ATS
R589	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R591	4701-273J-C	RMF 1/8W 27K 5% ATS
R592	4701-223J-C	RCF 1/8W 22K 5% ATS
R593	4701-560J-C	RCF 1/8W 56R 5% ATS
R594	4701-271J-C	RCF 1/8W 270R 5% ATS
R595	4701-104J-C	RMF 1/8W 100K 5% ATS
R596	4717-560J-2	RMF 1/2W 56R 5% AT
R597	4717-680J-1	RMF 1/2W 68R 5% AL
R598	4701-183J-C	RCF 1/8W 18K 5% ATS
		SEMI-FIXED 2.2K H3 7X7.6 R0615C
R599	4756-2226-3-06	SEIVII-FIXED 2.2K H3 / X/.6 R0615C
SURROUND AMP BOARD		
PC BOARD		
0003	PCB-N0950C-AMP2	POWER PRE SL/SR ASSEBLY
CAPACITORS		
C801, C802	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C803, C804	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
II		
C805, C806	150F-020C-5-GG	CC 50V 2pF 0.25pF RL 4x4
C807, C808	150F-471K-5-GG	CC 50V 470pF 10% RL 4x4
C809, C810	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C811, C812	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C813, C814	150F-181K-5-GG	CC 50V 180pF 10% RL 4x4
C815, C816	150F-070D-5-GG	CC 50V 7pF 0.5pF RL 4x4
C817-C820	157F-106M-5-GM	CE 50V 10µF 20% RL 4x7
C821, C822	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C823, C824	153F-104J-5-QUN	CM 50V 0.1µF RL (9x11)
C825	150F-102K-2-FC	CC 50V 1000pF 10% AT
		·
C829, C830	157I-477M-5-X&	CE 63V 470µF 20% RL 12.5x25
C831, C832	150F-151K-2-FC	CC 50V 150pF 10% AT
C833	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C835, C836	150F-151K-2-FC	CC 50V 150pF 10% AT
DIODES		
D801, D802	4804-0040-1	DIODE 1N4004 AL
D803-D805	4804-1480-C	DIODE 1N4148 ATS
2003 2003	1000	BIODE INTITO ATO
WAFERS/JACKS/SOCKETS	0400 0040 004	O DIN OT WAFFD B O 5 COUR OVE
J604B	2102-031S-004	3 PIN ST. WAFER P=2.5 COULOMB
J801A	2102-081S-004	WAFER 8P P2.5 ST.
JP801, JP802	2113-1160-0	WAFER 2P ST. P=2.5 NH (JST)
RELAY		
M801	4500-0910-0	RELAY 24VDC,125VA,3A OSA-SS-224DM3 OEG
TRANSICTORS		
TRANSISTORS	4000 0400 5	TD 000 4045 (E.E.) DI
Q801-Q806	4860-0190-5	TR 2SC 1845 (F.E) RL
Q807, Q808	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q809-Q812	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q813,Q814	485C-5171-5	TR 2SC5171 HFE 100-320
Q815,Q816	485A-9490-5	TR 2SA949-O HFE 70-140 TOSHIBA
Q817-Q820	485C-2229-5	TR 2SC2229-0 HFE 70-140 TOSHIBA
Q821, Q822	4860-1220-5	TR 2SC3421 (0,Y) RL TSB
Q823, Q824	485A-1930-5	TR 2SA1930 HFE 100-320
Q825, Q826	4860-5210-5	TR 2SC5198-0 HFE 80-160 70w TOSHIBA
۷۵۲۵, ۷۵۲۵	1 000-3210-3	THE ACCOUNT OF THE CONTROL TOWN TO STRICK

Reference No.	Part No.	<u>Description</u>
Q827, Q828	4860-5220-5	TR 2SA1941-0 HFE 80-160 70W TOSHIBA
Q829, Q830	4860-0190-5	TR 2SC 1845 (F.E) RL
Q831	485C-123J-5	TR DTC123JSA ROHM
RESISTORS		
R803, R804	4701-273J-C	RCF 1/8W 27K 5% ATS
R805, R806	4701-471J-C	RCF 1/8W 470R 5% ATS
R807, R808	4701-180J-C	RCF 1/8W 18R 5% ATS
R809, R810	4701-562J-C	RCF 1/8W 5.6K 5% ATS
R811, R812 R813-R816	4701-180J-C 4701-102J-C	RCF 1/8W 18R 5% ATS RCF 1/8W 1K 5% ATS
R817, R818	4701-102J-C 4701-104J-C	RCF 1/8W 100K 5% ATS
R819-R822	4717-680J-1	RMF 1/2W 68R 5% AL
R823, R824	4701-273J-C	RCF 1/8W 27K 5% ATS
R825, R826	4701-821J-C	RCF 1/8W 820R 5% ATS
R827, R828	4701-560J-C	RCF 1/8W 56R 5% ATS
R829, R830	4701-183J-C	RCF 1/8W 18K 5% ATS
R831, R832	4701-512J-C	RCF 1/8W 5.1K 5% ATS
R833, R834	4701-183J-C	RCF 1/8W 18K 5% ATS
R835, R836	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R837, R838	4715-331A-2	RCF 1/4W 330R 1% AT
R839, R840	4701-471J-C	RCF 1/8W 470R 5% ATS
R841-R844	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R845, R846	4701-271J-C	RCF 1/8W 270R 5% ATS
R847, R848 R849, R850	4701-104J-C 4717-560J-2	RCF 1/8W 100K 5% ATS RMF 1/2W 56R 5% AT
R851, R852	4717-680J-1	RMF 1/2W 56R 5% AT
R855, R856	4717-0003-1 4707-272J-2	RCF 1/2W 2.7K 5% AT
R853, R854	474B-R22K-5-02	RWR 5W 0.22R X2 10% RL
R857, R858	4718-8R2J-2-X	RMF 1W 8.2R 5% AT
R859, R860	4717-2R2J-2	RMF 1/2W 2.2R 5% AT
R861, R862	4701-333J-C	RCF 1/8W 33K 5% ATS
R863, R864	4701-473J-C	RCF 1/8W 47K 5% ATS
R865, R866	4701-223J-C	RCF 1/8W 22K 5% ATS
R867, R868	4756-2026-3-03	SEMI-FIXED 2K2
R869	4701-221J-C	RCF 1/8W 220R 5% ATS
AUDIO BOARD		
PC BOARD		
0004	PCB-N0950C-AUD	AUDIO ASSEMBLY
CAPACITORS		
C301-C302	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C303	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C304	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C305, C306	157D-476M-5-IU 150F-101K-2-FC	CE 16V 47µF 20% RL 5x11 CC 50V 100pF 10% AT
C319-C322, C325-C332 C333-C336	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C337	150F-103K-2-FC	CC 50V 0.01µF 10% AT
C338-C340	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C387-C388	150F-101K-2-FC	CC 50V 100pF 10% AT
DIODEO		
DIODES D301, D302	4837-7B51-2	DZ 1/2W 7.07~7.45V ROHM AT (MTZJ7.5B)
D301, D302	4037-7 D31-2	DZ 1/ZVV 1.01~1.43V KONIVIAI (IVIIZJ1.3D)
SOCKETS / JACKS		
J707B, J711B	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
M301	2113-1805-0	6P RCA JACK R/W GOLD W/SHIELD
M302	2113-1808-0	4P RCA JACK R/W GOLD W/SHIE

Reference No.	Part No.	<u>Description</u>
TRANSISTOR		-
Q303	485C-144E-5	TR DTC144ES ROHM
Q303	4000-144E-0	TR DTC144E3 ROHWI
ICs		
U301	3131-3570-0	IC TC9273N-004 ANALOG SWITCH ARRAY
U302	3130-3870-0	IC HCF4053BT
0302	3130-3870-0	ICTIOF4033B1
RESISTORS		
R301-R303	4701-102J-C	RCF 1/8W 1K 5% ATS
R331, R333	4701-331J-C	RCF 1/8W 330R 5% ATS
R332, R334	4701-105J-C	RCF 1/8W 1M 5% ATS
R335, R337	4701-331J-C	RCF 1/8W 330R 5% ATS
R336, R338	4701-105J-C	RCF 1/8W 1M 5% ATS
R339	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R340, R342	4701-105J-C	RCF 1/8W 1M 5% ATS
R341, R343, R345	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R344, R346	4701-105J-C	RCF 1/8W 1M 5% ATS
R347, R349	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R348, R350	4701-105J-C	RCF 1/8W 1M 5% ATS
R351, R353	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R352, R354	4701-105J-C	RCF 1/8W 1M 5% ATS
R392, R394	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R393, R395	4701-105J-C	RCF 1/8W 1M 5% ATS
COMPONENT VIDEO BOARD PC BOARD		
0005	PCB-N0950C-COM	PCB ASSY COMPONET VIDEO
CAPACITORS	1 05 1100000 001111	TOBNOOT COME CITET VIBEC
C901, C903	157F-103K-2-FC	CC 50V 0.01µF 10% AT
C902, Q904	157D-107M-5-IU	CE 16V 100µF 20% RL 5x11
C905-C907	157E-226M-5-IU	CE 25V 22µF 20% RL 5x11
C908-C910	157C-477M-5-OU	CE 10V 470µF 20% RL 8X11
C911	157C-476M-5-GM	CE 10V 47µF 20% RL 4x7
C912	157C-476M-5-IU	CE 16V 47µF 20% RL 5x11
C913	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
DIODES		·
D901, D902	4837-7B51-2	DZ 1/2W 7.07~7.45V ROHM AT (MTZJ7.5B)
D901, D902 D903-D905	4804-1480-C	DIODE 1N4148 ATS
D903-D903	4804-1480-C	DIODE IN4140 ATS
SOCKET/JACKS	0404 4004 0	000//57 (D0D/D0D) (00 D0 0
J901A	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
M901, M903	2113-1817-0	3P RCA JACK G/B/R GOLD W/GRN
TRANSISTORS		
Q901	485C-144E-5	TR DTC144ES ROHM
Q902-Q904	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q905-Q907	4860-0770-5	TR 2SC2878 (A,B) RL
Q911	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q912	485C-144E-5	TR DTC144ES ROHM
RESISTORS		
R901	4701-101J-C	RCF 1/8W 100R 5% ATS
R902	4701-102J-C	RCF 1/8W 1K 5% ATS
R904	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R905, R906	4701-101J-C	RCF 1/8W 100R 5% ATS
R907	4701-201J-C	RCF 1/8W 200R 5% ATS
R908-R910	4701-2R2J-C	RCF 1/8W 2.2R 5% ATS
R911	4701-103J-C	RCF 1/8W 10K 5% ATS

Reference No.	Part No.	Description
R912 R913 R914, R915 R916-R921 R922-R924 R925 R930 R931 R932 R933	4701-102J-C 4701-151J-C 4701-121J-C 4701-303J-C 4701-102J-C 4701-391J-C 4701-303J-C 4701-151J-C 4701-303J-C 4701-303J-C 4701-301J-C	RCF 1/8W 1K 5% ATS RCF 1/8W 150R 5% ATS RCF 1/8W 120R 5% ATS RCF 1/8W 30K 5% ATS RCF 1/8W 1K 5% ATS RCF 1/8W 390R 5% ATS RCF 1/8W 30K 5% ATS RCF 1/8W 30K 5% ATS RCF 1/8W 150R 5% ATS RCF 1/8W 30K 5% ATS RCF 1/8W 30K 5% ATS RCF 1/8W 390R 5% ATS
<i>IC</i> U901	3130-3870-0	IC HCF4053BT
DIGITAL IN BOARD PC BOARD 0006 TOSLINKS	PCB-N0950C-DIGI	PCB ASSY DIGITAL IN
J1601, J1602 WAFERS / JACKS 1603	4811-F32R-3 2102-101S-004	LIGHT RX UNIT GPIF32R WAFER 10P P2.5 ST. (colomb)
1604 J802B M802	2113-1815-0 2101-9100-0 2113-1663-0	3P-H RCA JACK BLK GOLD W/GRN JM2422-4M WAFER 4P SPEAKER TERMINAL R/B W/BANANA
CAPACITORS C763 C764 C767 C850 C853, C854 C855	150F-104K-5-II 150F-223Z-5-UG 150F-104K-5-II 150F-223Z-5-UG 153F-102J-5-IM 153F-104J-5-NSM	CC 50V 0.1µF 10% RL 5x5 CC 50V 0.022µF +80/-20% CC 50V 0.1µF 10% RL 5x5 CC 50V 0.022µF +80/-20% CM 50V 1000PF 5% RL 5x7 CM 50V 0.01µF 5% RL 7.3x10 metalzd
DIODE D801	4804-1480-2	DIODE 1N4148 AT
RELAY M804	4500-0910-0	RELAY 24VDC,125VA,3A OSA-SS-224DM3 OEG
TRANSISTOR Q801	485C-123J-5	TR DTC123JSA ROHM
DIGITAL OUT BOARD PC BOARD 0007	PCB-N0950C-DIGO	DIGITAL OUT ASSEMBLY
CAPACITORS C747, C748 C749, C750 C766 C768 C769 C770, C771 C772	150F-223K-2-FD 150F-104K-2-FC 150F-103K-2-FC 150F-102K-2-FC 150F-222K-5-LF 150F-104K-2-FC 157D-226M-5-GM	CC 50V 0.022µF 10% AT CC 50V 0.01µF 10% AT CC 50V 0.01µF 10% AT CC 50V 1000pF 10% AT CC 50V 2200pF 10% RL 6.5 CC 50V 0.01µF 10% AT CE 16V 22µF 20% RL 4x7
DIODES D756-D759	4804-1480-C	DIODE 1N4148 ATS

Reference No.	Part No.	<u>Description</u>
WAFER		
J102B	2102-051S-004	5P ST.WAFER P=2.5 COLOMB
COIL		
L701	1802-0450-0	DIGITAL COIL 015-910-27BB
JACKS		
M704	2113-1812-0	2P RCA JACK YL GOLD W/SHIELD
M705	5200-3171-0-01	DPDT SLIDE SW.SK-22F28-G9TS
M706	2113-1806-0	1P RCA JACK BK GOLD W/SHIELD
M707	2704-0060-0	EMC FILTER DSS31055B271M
RESISTORS	4704 400 1 0	DOE 4/0\A/ 4/4 F0/ ATO
R759, R760	4701-102J-C	RCF 1/8W 1K 5% ATS
R761	4701-101J-C	RCF 1/8W 100R 5% ATS
R762 R763	4701-104J-C 4701-471J-C	RCF 1/8W 100K 5% ATS RCF 1/8W 470R 5% ATS
R764	4701-4713-C 4701-151J-C	RCF 1/8W 470R 5% ATS RCF 1/8W 150R 5% ATS
R765	4701-1313-C 4701-102J-C	RCF 1/8W 1K 5% ATS
17703	4701-1025-0	101 1/0W 110 3/0 ATO
<i>IC</i> s		
U761, U762	3131-9050-0	IC 74HC00 QUAD 2I/P NAND GATE SOP
LED BOARD		
PC BOARD	BOD NO0-00 / ED	1 ED 100EMBW
0008	PCB-N0950C-LED	LED ASSEMBLY
1.50		
LED 2202	3700-2489-G	LED 3MM GREEN SP
2202	3700-2409-0	LED SIVIIVI GREEN SP
LOAD BOARD		
PC BOARD		
0009	PCB-N0950C-LOAD	LOAD ASSEMBLY
CAPACITORS		
C703, C704	157F-106M-5-IU	CE 50V 10µF 20% RL 5x11
C705	150F-104Z-5-IU	CC 50V 0.01µF +80/-20% RL
C706, C707	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
D/0050		
DIODES	4040 7000 0	DIODE DDIDOE DCCCAM
D701	4840-7060-0	DIODE BRIDGE RS804M DIODE 1N4148 ATS
D703	4804-1480-C	DIODE IN4140 ATS
WAFERS		
H_DC	2101-9400-0	JM2422-3M WAFER
J204B	2102-061R-004	WAFER 6 PIN P2.5
TRANSISTORS		
M701, M702	4860-5270-5	TR TYN412 400V 12A THYRISTOR
Q701	4860-0660-5	TR 2SA1015 (G.R.) RL
Q702	4860-0700-5	TR 2SC1815 (G.R) RL
Q703	4860-0660-5	TR 2SA1015 (G.R.) RL
Q704	4860-0700-5	TR 2SC1815 (G.R) RL
RESISTORS		
R701	4701-102J-C	RCF 1/8W 1K 5% ATS
R702	4701-223J-C	RCF 1/8W 22K 5% ATS
R703	4701-101J-C	RCF 1/8W 100R 5% ATS
R704, R705	4701-102J-C	RCF 1/8W 1K 5% ATS
R706	4701-103J-C	RCF 1/8W 10K 5% ATS

		T
Reference No.	Part No.	<u>Description</u>
R707 R708 R709 R710 R711 R716, R717 R718, R719 R720	4701-101J-C 4701-223J-C 4701-103J-C 4701-472J-C 4701-562J-C 4701-104J-C 4701-222J-C 4701-684J-C	RCF 1/8W 100R 5% ATS RCF 1/8W 22K 5% ATS RCF 1/8W 10K 5% ATS RCF 1/8W 4.7K 5% ATS RCF 1/8W 5.6K 5% ATS RCF 1/8W 100K 5% ATS RCF 1/8W 2.2K 5% ATS RCF 1/8W 680K 5% ATS
<i>IC</i> U701	3130-0890-0	IC NJM4558D DUAL OP AMP.
MAIN BOARD PC BOARD		
0010	PCB-N0950C-MAIN	MAIN ASSEMBLY
CAPACITORS C717 C718 C720, C721 C722, C723 C726 C727 C728 C731 C732 C734 C735 C736 C741 C930	157E-338M-5-5\$ 157E-108M-5-X& 150F-223K-2-FD 157F-106M-5-GM 157F-476M-5-LU 150F-223K-2-FD 157F-107M-5-OW 150F-223K-2-FD 157F-106M-5-GM 157F-476M-5-LU 157F-106M-5-GM 150F-223K-2-FD 157C-337M-5-OW 150F-223K-2-FD	CE 25V 3300µ+C649F 20% RL 16x32 CE 25V 1000µF 20% RL 12.5x25 CC 50V 0.022µF 10% AT CE 50V 10µF 20% RL 4x7 CE 50V 47µF 20% RL 6.5x11 CC 50V 0.022µF 10% AT CE 50V 100µF 20% RL 8x12 CC 50V 0.022µF 10% AT CE 50V 10µF 20% RL 4x7 CE 50V 47µF 20% RL CE 50V 47µF 20% RL CE 50V 10µF 20% RL CE 50V 10µF 20% RL CE 50V 0.022µF 10% AT
DIODES D715-D718 D719 D720, D721 D722 D723 D734 D735, D736 D737, D738 WAFERS J206B J401B	4805-3930-2 4804-0010-2 4804-0040-1 4837-27V0-2 4804-0010-2 4804-1480-C 4805-3930-2 4804-0010-2 2101-1591-0 2102-111S-004	DIODE 1N5393 200V 1.5A AT DIODE 1N4001 AT DIODE 1N4004 AL DZ 1/2W 27V(26.2-27.6)AT DIODE 1N4001 AT DIODE 1N4148 ATS DIODE 1N5393 200V 1.5A AT DIODE 1N4001 AT FLEXIBLE CONN. 35P P1.25 TOP ENTRY 11P ST.WAFER P=2.5 COLOMB
J402B J502B J7001 J701A J701B J703A J704A J705A-J708A J709A J710A J711A J803A J901B M400A	2102-031S-004 2102-121S-004 2102-031S-004 2102-021S-004 2102-031S-004 2101-1621-0 2101-1641-0 2101-1631-0 2101-1641-0 2101-1621-0 2102-031S-004 2101-1621-0 2102-021S-004	3 PIN ST. WAFER P=2.5 COLOMB 12P ST.WAFER P=2.5 COLOMB 3 PIN ST. WAFER 2P ST.WAFER P=2.5 COLOMB 3 PIN ST. WAFER WAFER (PCB/PCB) 10P P2.0 ST WAFER (PCB/PCB) 16P P2.0 ST WAFER (PCB/PCB) 10P P2.0 WAFER (PCB/PCB) 6P P2.0 ST WAFER (PCB/PCB) 16P P2.0 WAFER (PCB/PCB) 16P P2.0 WAFER (PCB/PCB) 10P P2.0 ST 3 PIN ST. WAFER WAFER (PCB/PCB) 10P P2.0 2P ST.WAFER

Reference No.	Part No.	<u>Description</u>
HEATSINKS		
M701	5400-1702-0	HEATSINK 23.5X17X50
M702-M703	5400-0831-0	HEATSINK (214) 20MM-HIGH HOLE
W 62 W 60	0400 0001 0	TIE/TIGHTE (214) ZOMM THOITHOLL
TRANSISTOR		
Q724	4860-0660-5	TR 2SA1015 (G.R.) RL
		,
RESISTORS		
R731	4701-102J-C	RCF 1/8W 1K 5% ATS
R732	4701-333J-C	RCF 1/8W 33K 5% ATS
R733, R734	4718-391J-2-X	RMF 1W 390R 5% AT
ICs		
U721	3130-2520-3	IC 7812 12V REGULATOR (SGS)
U722	3130-3800-0	IC UPC79M12HF REGULATOR
U723	3130-8190-0	IC NJM78M56FA 5.6V REGULATOR
U724	3130-2020-2	IC 7805 REG 5V
MULTI CH BOARD		
PC BOARD		
0011	PCB-N0950C-MUTI	MULTI CH ASSEMBLY
JACKS / WAFERS		
1102	2113-1808-0	4P RCA JACK R/W GOLD W/SHIELD
1103	2113-1809-0	2P RCA JACK BK/BK GOLD M/SHIELD
1105	2113-1808-0	4P RCA JACK R/W GOLD
1106	2113-1809-0	2P RCA JACK BK/BK GOLD
1.00	2110 1000 0	Zi Kortoriok Biybik Gozb
CAPACITORS		
C601-C606	150F-101K-2-FC	CC 50V 100pF 10% AT
C609, C610	150F-223K-2-FC	CC 50V 0.022µF 10% AT
C611-C616	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C617	150F-104Z-5-IU	CC 50V 0.1µF +80/-20% RL
C618, C619	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C620, C621	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C622-C629	157D-106M-5-GM 150F-221K-5-GG	CE 16V 10µF 20% RL 4x7 CC 50V 220pF 10% RL 4x4
C630-C633 C634-C637	153F-101K-5-MKN	CG 50V 220FF 10% RL 4X4 CM 100PF 50V RL (7x6) POLYESTER
C638-C641	157F-225K-5-GM	CE 50V 2.2µF 10% RL 4x7
C642	157D-106M-5-GM	CE 16V 10μF 20% RL 4x7
C643	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C644	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C647-C649	157D-226M-5-II	CE 16V 22µF 20% RL 5x5
C650-C653	157D-475M-5-EI	CE 16V 4.7µF 20% RL 3x5
C654, C655	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C656, C657	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C662A, C663A	150F-221K-5-GG	CC 50V 220pF 10% RL 4x4
C664, C665	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C666, C667	157D-335M-5-II	CE 16V 3.3µF 20% RL 5x5
C674	157D-476M-5-IU	CE 16V 47μF 20% RL 5x11
C675, C676	150F-221K-2-FC	CC 50V 220pF 10% AT
C679	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C680	157D-227M-5-KW	CE 16V 220µF 20% RL 6x12
C681, C682 C662A, C663A	157D-476M-5-IU 150F-221K-5-GG	CE 16V 47µF 20% RL 5x11 CC 50V 220pF 10% RL 4x4
C692	153F-822J-5-KW	CG 50V 220pF 10% RL 4x4 CM 50V 8200pF 5% RL 6x12
C693	153F-622J-5-KV 153F-153J-5-KP	CM 50V 8200PF 5% RL 6X12 CM 50V 0.015µF 5% RL 6X8.5
C694, C695	153F-334J-5-MIB	CM 50V 0.015µF 5% RL 6X8.5 CM 50V 0.33µF 5% RL 7x5
C696	153F-153J-5-KP	CM 50V 0.015µF 5% RL
C697	153F-822J-5-KW	CM 50V 8200pF 5% RL 6x12
		20. 0-00p. 0.01.E 0/1.E

Reference No. Part No. Description C698, C699 157D-335M-5-II CE 16V 3.3µF 20% RL 5x5 R673-R678 150F-221K-2-FC C 50V 220pF 10% AT D/ODES D601, D602 4837-7C51-2 DZ 1/2W 7.29-7.67V ROHM D603 4804-1480-C DZ 1/2W 5.45-5.73 ROHM D603 4804-1480-C DIODE 1N4148 ATS WAFERS / SOCKETS J602A 2102-031S-004 3 PIN ST. WAFER P=2.5 COLOMB J705B, J706B 2101-1801-0 SOCKET (PCB/PCB) 10P P2.0 COILS L601, L602 1801-101K-M COIL 100µH 10% TRANSISTORS Q601 4851-241A-5 TR RN1241-A Q602 4860-060-5 TR S8550 C/D SAMSUNG RL Q603 Q606 4850-1414-5 TR RN1241-A Q604 4851-241A-5 TR RN1241-A TR S8050 C/D SAMSUNG RL Q611, Q612 4851-241A-5 TR SR5050 C/D SAMSUNG RL Q613 4851-241A-5 TR D17414ESA ROHM TR RN1241-A Q614 Q616, Q618, Q620 4851-1414E-5 TR D17414ESA ROHM <
R673-R678
DIODES D601, D602 4837-7C51-2 DZ 1/2W 7.29-7.67V ROHM D603 4804-1480-C DIODE 1N4148 ATS WAFERS / SOCKETS J602A 2102-031S-004 3 PIN ST. WAFER P=2.5 COLOMB J705B, J706B 2101-1801-0 SOCKET (PCB/PCB) 10P P2.0 COILS COIL 100µH 10% L601, L602 1801-101K-M COIL 100µH 10% TRANSISTORS C601 4851-241A-5 TR RN1241-A G602 4860-0050-5 TR SS8550 C/D SAMSUNG RL TR SS8550 C/D SAMSUNG RL G607 4860-0050-5 TR R S1414-A TR SS8050 C/D SAMSUNG RL G611, Q612 4851-241A-5 TR R TN1241-A TR SS8050 C/D SAMSUNG RL Q611, Q612 4851-241A-5 TR TR TN1241-A TR TR TN1441-A Q613 4860-0050-5 TR SS8050 C/D SAMSUNG RL TR TR TN1441-A Q614 Q615, Q618 4860-0050-5 TR SS8050 C/D SAMSUNG RL Q615 4851-241A-5 TR DT114ESA ROHM TR TR TN1441-A Q611, Q612 4851-241A-5 TR SS8050 C/D SAMSUNG RL R613, Q614 4660-0050-5 TR SS8050 C/
D601, D602
D601, D602
DEG03
WAFERS / SOCKETS J602A J705B, J706B 2102-031S-004 2101-1801-0 SOCKET (PCB/PCB) 10P P2.0
J602A J706B Z102-031S-004 Z101-1801-0 SOCKET (PCB/PCB) 10P P2.0
J602A J706B Z102-031S-004 Z101-1801-0 SOCKET (PCB/PCB) 10P P2.0
J705B, J706B Z101-1801-0 SOCKET (PCB/PCB) 10P P2.0
COIL S L601, L602 1801-101K·M COIL 100μH 10% TRANS/STORS Q601 4851-241A-5 4860-0060-5 TR RN1241-A TR SS8550 C/D SAMSUNG RL TR SS8550 C/D SAMSUNG SA TR SS8550 C/D SAMSUNG SA TR SS8550 C/D SAMSUNG SA TR SS8550 C/D SAMSU
L601, L602
TRANSISTORS Q601 4851-241A-5 TR RN1241-A Q602 4860-0060-5 TR SS8550 C/D SAMSUNG RL Q603-Q605 4851-241A-5 TR RN1241-A Q607 4860-0050-5 TR SS8550 C/D SAMSUNG RL Q608 4860-0770-5 TR SS8550 C/D SAMSUNG RL Q609, Q610 485A-114E-5 TR DTA114ESA ROHM Q611, Q612 4851-241A-5 TR RN1241-A Q613 Q614, Q616, Q618, Q620 485A-114E-5 TR RN1241-A Q622 4860-0770-5 TR SS8050 C/D SAMSUNG RL RESISTORS J6113, J680 485A-114E-5 TR DTA114ESA ROHM R601-R606 4701-331J-C RCF 1/8W 100R 5% ATS R601-R606 4701-331J-C RCF 1/8W 30R 5% ATS R6112-R6114 4701-233J-C RCF 1/8W 30R 5% ATS R613 4701-103J-C RCF 1/8W 33K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 30K 5% ATS R624 4701-333J-C
Q601 4851-241A-5 TR RN1241-A Q602 4860-0060-5 TR SS8550 C/D SAMSUNG RL Q603-Q605 4851-241A-5 TR RN1241-A Q607 4860-0050-5 TR SS8050 C/D SAMSUNG RL Q608 4860-0770-5 TR SS8050 C/D SAMSUNG RL Q609, Q610 485A-114E-5 TR DTA114ESA ROHM Q611, Q612 4851-241A-5 TR RN1241-A Q613 4860-0770-5 TR SS8050 C/D SAMSUNG RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR SS8050 C/D SAMSUNG RL RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS R601-R606 4701-331J-C RCF 1/8W 6.8K 5% ATS R607-R612 4701-104J-C RCF 1/8W 308 5% ATS R6112-R6114 4701-123J-C RCF 1/8W 308 5% ATS R613 4701-333J-C RCF 1/8W 30K 5% ATS R616 4701-333J-C RCF 1/8W 30K 5% ATS R616 4701-333J-C RCF 1/8W 30K 5% ATS R617, R618 4701-103J-C RCF 1/8W 30K 5% ATS
Q601 4851-241A-5 TR RN1241-A Q602 4860-0060-5 TR SS8550 C/D SAMSUNG RL Q603-Q605 4851-241A-5 TR RN1241-A Q607 4860-0050-5 TR SS8050 C/D SAMSUNG RL Q608 4860-0770-5 TR SS8050 C/D SAMSUNG RL Q609, Q610 485A-114E-5 TR DTA114ESA ROHM Q611, Q612 4851-241A-5 TR RN1241-A Q613 4860-0770-5 TR SS8050 C/D SAMSUNG RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR SS8050 C/D SAMSUNG RL RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS R601-R606 4701-331J-C RCF 1/8W 6.8K 5% ATS R607-R612 4701-104J-C RCF 1/8W 308 5% ATS R6112-R6114 4701-123J-C RCF 1/8W 308 5% ATS R613 4701-333J-C RCF 1/8W 30K 5% ATS R616 4701-333J-C RCF 1/8W 30K 5% ATS R616 4701-333J-C RCF 1/8W 30K 5% ATS R617, R618 4701-103J-C RCF 1/8W 30K 5% ATS
Q603-Q605 4851-241A-5 TR RN1241-A Q607 4860-0050-5 TR SS8050 C/D SAMSUNG RL Q608 4860-0770-5 TR SS8050 C/D SAMSUNG RL Q609, Q610 485A-114E-5 TR DTA114ESA ROHM Q611, Q612 4851-241A-5 TR RN1241-A Q613 4860-0770-5 TR SS202878 (A,B) RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR SS8050 C/D SAMSUNG RL RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 330R 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R601-R612 4701-104J-C RCF 1/8W 30K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 30K 5% ATS R613 4701-333J-C RCF 1/8W 30K 5% ATS R614, R615 4701-103J-C RCF 1/8W 30K 5% ATS R616 4701-333J-C RCF 1/8W 30K 5% ATS R619, R620 4701-333J-C RCF 1/8W 30K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K
Q607 4860-0050-5 TR SS8050 C/D SAMSUNG RL Q608 4860-0770-5 TR 2SC2878 (A,B) RL Q609, Q610 4854-114E-5 TR DTA114ESA ROHM Q611, Q612 4851-241A-5 TR RN1241-A Q613 4860-0770-5 TR 2SC2878 (A,B) RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR SS8050 C/D SAMSUNG RL RESISTORS J6111, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 330R 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 100K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614 R615 4701-103J-C RCF 1/8W 33K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R619, R620 4701-103J-C RCF 1/8W 10K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R624 4701-23J-C RCF 1/8W 10K 5% ATS R626 4701-203J-C RCF
Q608 Q609, Q610 Q611, Q612 Q613 Q614, Q616, Q618, Q620 Q622 RESISTORS J611, J645 J6123, J680 R601-R606 A701-331J-C R6112-R6114 R615 R614, R615 R614, R615 R614, R615 R617, R618 R619, R620 R619, R620 R621, R622 R622 R633 R601-R606 R633 R601-R606 R614, R615 R615 R614, R615 R616 R617, R618 R617, R618 R619, R620 R621, R622 R621, R622 R622 R633 R624 R624 R624 R626 R637 R637 R637 R631 R634-R636 R637 R637 R637 R631 R643 R651-R634 R651-R634 R651-R634 R651-R635 R637 R637 R637 R637 R641-R636 R651-R636 R651-R640-R70-R65 R661-R640-R70-R65 R661-R640-R70-R65 R661-R640-R70-R65 R66
Q609, Q610 485A-114E-5 TR DTA114ESA ROHM Q611, Q612 4851-241A-5 TR RN1241-A Q613 4860-0770-5 TR 2SC2878 (A,B) RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR DTA114ESA ROHM TR S88050 C/D SAMSUNG RL TR S88050 C/D SAMSUNG RL RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 6.8K 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 330K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 39K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS </td
Q611, Q612 4851-241A-5 TR RN1241-A Q613 4860-0770-5 TR 2SC2878 (A,B) RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR DTA114ESA ROHM RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 330R 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 30K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 33K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 33K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-103J-C RCF 1/8W 10K 5% ATS R632, R
Q613 4860-0770-5 TR 2SC2878 (A,B) RL Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR SS8050 C/D SAMSUNG RL RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 6.8K 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R621, R620 4701-333J-C RCF 1/8W 33K 5% ATS R623 4701-103J-C RCF 1/8W 33K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 20K 5% ATS R631 4701-103J-C RCF 1/8W 10K 5% ATS </td
Q614, Q616, Q618, Q620 485A-114E-5 TR DTA114ESA ROHM Q622 4860-0050-5 TR DTA114ESA ROHM RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 6.8K 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 33K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 10K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R621, R620 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-103J-C RCF 1/8W 10K 5% ATS R624 4701-233J-C RCF 1/8W 10K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-103J-C RCF 1/8W 1.5K 5% ATS R631 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 10K 5% ATS <td< td=""></td<>
Q622 4860-0050-5 TR SS8050 C/D SAMSUNG RL RESISTORS J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 330R 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-103J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 10K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R621, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 10K 5% ATS R624 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-123J-C RCF 1/8W 10K 5% ATS R631 4701-152J-C RCF 1/8W 10K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R6
J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 6.8K 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 39K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 10K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-103J-C RCF 1/8W 10K 5% ATS R637 4701-10
J611, J645 4701-101J-C RCF 1/8W 100R 5% ATS J6123, J680 4701-682J-C RCF 1/8W 6.8K 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 33K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 39K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 10K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-103J-C RCF 1/8W 10K 5% ATS R637 4701-10
J6123, J680 4701-682J-C RCF 1/8W 6.8K 5% ATS R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 10K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-103J-C RCF 1/8W 10K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-103J-C RCF 1/8W 10K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R601-R606 4701-331J-C RCF 1/8W 330R 5% ATS R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 10K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R607-R612 4701-104J-C RCF 1/8W 100K 5% ATS R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 10K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 10K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R6112-R6114 4701-223J-C RCF 1/8W 22K 5% ATS R613 4701-333J-C RCF 1/8W 33K 5% ATS R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R614, R615 4701-103J-C RCF 1/8W 10K 5% ATS R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R616 4701-333J-C RCF 1/8W 33K 5% ATS R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R617, R618 4701-103J-C RCF 1/8W 10K 5% ATS R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R619, R620 4701-333J-C RCF 1/8W 33K 5% ATS R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R621, R622 4701-103J-C RCF 1/8W 10K 5% ATS R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R623 4701-123J-C RCF 1/8W 12K 5% ATS R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R624 4701-393J-C RCF 1/8W 39K 5% ATS R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R626 4701-203J-C RCF 1/8W 20K 5% ATS R628 4701-203J-C RCF 1/8W 20K 5% ATS R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R631 4701-152J-C RCF 1/8W 1.5K 5% ATS R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R632,R633 4701-103J-C RCF 1/8W 10K 5% ATS R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R634-R636 4701-104J-C RCF 1/8W 100K 5% ATS R637 4701-103J-C RCF 1/8W 10K 5% ATS
R637 4701-103J-C RCF 1/8W 10K 5% ATS
R638-R643 4701-104J-C RCF 1/8W 100K 5% ATS
R644, R645 4701-102J-C RCF 1/8W 1K 5% ATS
R646-R649 4701-563J-C RCF 1/8W 56K 5% ATS
R650-R653 4701-272J-C RCF 1/8W 2.7K 5% ATS
R654 4701-822J-C RCF 1/8W 8.2K 5% ATS
R655 4701-183J-C RCF 1/8W 18K 5% ATS
R656, R657 4701-103J-C RCF 1/8W 10K 5% ATS
R658, R660-R661 4701-102J-C RCF 1/8W 1K 5% ATS
R659 4701-471J-C RCF 1/8W 470R 5% ATS R660-R661 4701-102J-C RCF 1/8W 1K 5% ATS
R660-R661 4701-102J-C RCF 1/8W 1K 5% ATS R662 4701-563J-C RCF 1/8W 56K 5% ATS
R663, R664 4701-223J-C RCF 1/8W 22K 5% ATS
R666 4701-563J-C RCF 1/8W 56K 5% ATS

Reference No.	Part No.	<u>Description</u>	
R667-R672 R673-R678 R679, R680 R681, R682 R687, R688 R689, R690 R691, C692 R693 R694 R695 R696 R699,R700 R704	4701-221J-C 4701-104J-C 4701-563J-C 4701-102J-C 4701-272J-C 4701-563J-C 4701-103J-C 4701-202J-C 4701-152J-C 4701-471J-C 4701-102J-C 4701-102J-C	RCF 1/8W 220R 5% ATS RCF 1/8W 100K 5% ATS RCF 1/8W 56K 5% ATS RCF 1/8W 1K 5% ATS RCF 1/8W 2.7K 5% ATS RCF 1/8W 56K 5% ATS RCF 1/8W 56K 5% ATS RCF 1/8W 10K 5% ATS RCF 1/8W 1.5K 5% ATS RCF 1/8W 2.5% ATS RCF 1/8W 2.5% ATS RCF 1/8W 470R 5% ATS RCF 1/8W 1.5K 5% ATS RCF 1/8W 1.5K 5% ATS RCF 1/8W 1.5K 5% ATS	
<i>ICs</i> U601 U602 U605-U607 U609-U611	3131-4910-0 3130-3730-1 3130-9560-0 3130-9560-0	IC M62446FP MITSUBISHI (SMD) IC TC9164AN HV ANALOG SW NJM5532 IC 'DIP8' ELE-IC029 NJM5532 IC 'DIP8' ELE-IC029	
SECONDARY BOARD PC BOARD 0012	PCB-N0950C-SEC	SECONDARY ASSEMBLY	
CAPACITORS C751, C752 C753-C756 C757, C762	150F-104K-5-II 153I-104J-5-NMN 150F-104K-5-II	CC 50V 0.1µF 10% RL 5x5 CM 63V 0.1µF RL (7.5x7) POLYESTER CC 50V 0.1µF 10% RL 5x5	
WAFERS J202B J501B, J702A	2102-041S-004 2101-9400-0	4P ST.WAFER P=2.5 COLOMB JM2422-3M WAFER	
RESISTORS R751-R753 R755	4718-R22J-2 4717-2R2J-2	RMF 1W 0.22R 5% AT RMF 1/2W 2.2R 5% AT	
SPEAKER BOARD PC BOARD 0013	PCB-N0950C-SPK	SPEAKER ASSEMBLY	
SPEAKER TERMINALS / WAFERS 1502 1503 J503B	2113-1663-0 2113-1664-0 2102-101S-004	4P SPEAKER TERMINAL R/B W/BANANA 6P SPEAKER TERMINAL R/B W/BANANA WAFER 10P P2.5 ST. (COLOMB)	
CAPACITORS C594-C596	153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7	
S-VIDEO BOARD PC BOARD 0014	PCB-N0950C-SVD	S-VIDEO ASSEMBLY	
CONNECTORS 1402-1408	2113-1183-0	1P DIN CONNECTOR HDC-050	
CAPACITORS C401 C404	150F-223Z-5-UG 157F-225M-5-GM	CC 50V 0.022µF +80/-20% CE 50V 2.2µF 20% RL 4x7	

Reference No.	Part No.	<u>Description</u>
C405	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C406	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C407	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C408-C413	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C414	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C415	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C416, C417	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C418	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C419	153F-223J-5-LQ	CM 50V 0.022µF 5% RL 6.5x9
C420, C421	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C422	157C-477M-5-OU	CE 10V 470µF 20% RL 8x11
C423, C424	157B-227M-5-KW	CE 6.3V 220µF 20% RL 6x12
C426-C428	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C429	15CH-300J-5-IG	CTC 0/60 30pF 5% RL 5x4
C429A	15CH-050D-5-GG	CTC 0/60 5pF 0.5pF RL 4x4
C430		CTC 0/60 30pF 5% RL 5x4
C430A	15CH-300J-5-IG	·
	15CH-050D-5-GG	CTC 0/60 5pF 0.5pF RL
C431, C432	15CH-270J-5-GG	CTC 0/60 27pF 5% RL 4x4
C433-C435	150F-470J-5-IF	CC 50V 47pF 5% RL 5x3.5
C436	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C440	157D-476M-5-IU	CE 16V 47µF 20% RL 5x11
C442	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C443	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C444	150F-474M-5-II	CE 50V 0.47µF 20% RL 5x5
C445	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C446	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7
C447	150F-470J-5-IF	CC 50V 47pF 5% RL 5x3.5
C448	150F-474M-5-II	CE 50V 0.47µF 20% RL 5x5
C449	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C451	150F-122K-5-IF	CC 50V 1200pF 10% RL 5x3
C453	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7
C454	1551-0210-0	TRIMCAP 5.2-30P TZ03R300FR MUR
C456	15CH-220J-5-GG	CTC 0/60 22pF 5% RL 4x4
C457	150F-682K-5-SF	CC 50V 6800pF 10% RL
C462	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7
C463	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C465	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C469	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C474	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
0474	1001 2202 0 00	00 00 0 0.022μι 100/ 20/0
DIODES		
D401-D409	4804-1480-C	DIODE 1N4148 ATS
D401 D403 D411-D414	4804-1480-C	DIODE 1N4148 ATS
D411-D414	4804-1480-0	DIODE IN4140 ATS
SOCKETS		
	2101 1661 0	SOCKET (DCB/DCP) SD D2 0 D4
J709B J710B	2101-1661-0 2101-1601-0	SOCKET (PCB/PCB) 6P P2.0 RA SOCKET (PCB/PCB) 16P P2.0 RA
J/10B	2101-1601-0	SUCKET (PCB/PCB) 16P P2.0 RA
604.6		
COILS	4004 0001/ 14	0011 00011 4007 AL DI 7
L401	1801-220K-M	COIL 22µH 10% AL BL7
L403	1801-5R6K-M	COIL 5.6µH 10% BL=7
00/074/0		
CRYSTALS		
M401, M402	2300-3020-0	X'TAL 14.318MHZ +-20PPM LOAD CAP 22P HC49/U
TRANSISTORS		
Q401, Q402	4860-0770-5	TR 2SC2878 (A,B) RL
Q403	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q404	4860-0770-5	TR 2SC2878 (A,B) RL
Q405	485A-933S-5	TR 2SA933S HFE 120-560

Reference No.	Part No.	Description
Q406	485C-123J-5	TR DTC123JSA ROHM
Q407	485A-933S-5	TR 2SA933S HFE 120-560
Q408	4860-0770-5	TR 2SC2878 (A,B) RL
Q409-Q411	485A-933S-5	TR 2SA933S HFE 120-560 ROHM
Q412	485C-123J-5	TR DTC123JSA ROHM
Q413	4860-0770-5	TR 2SC2878 (A,B) RL
Q414, Q415	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q416, Q420, Q421	485A-933S-5	TR 2SA933S HFE 120-560
Q424	4860-0770-5	TR 2SC2878 (A,B) RL
Q432	485A-933S-5	TR 2SA933S HFE 120-560
Q436	4860-1590-5	TR 2SC1740S
Q437	4860-0770-5	TR 2SC2878 (A,B) RL
Q438	485C-144E-5	TR DTC144ES ROHM
RESISTORS		
R401-R406	4701-820J-C	RCF 1/8W 82R 5% ATS
R407, R408	4701-680J-C	RCF 1/8W 68R 5% ATS
R411, R412	4701-680J-C	RCF 1/8W 68R 5% ATS
R414	4701-121J-C	RCF 1/8W 120R 5% ATS
R415	4701-102J-C	RCF 1/8W 1K 5% ATS
R416	4701-563J-C	RCF 1/8W 56K 5% ATS
R417	4701-561J-C	RCF 1/8W 560R 5% ATS
R418	4701-471J-C	RCF 1/8W 470R 5% ATS
R419	4701-102J-C	RCF 1/8W 1K 5% ATS
R420, R421	4701-471J-C	RCF 1/8W 470R 5% ATS
R422	4701-102J-C	RCF 1/8W 1K 5% ATS
R423	4701-1023-C 4701-680J-C	RCF 1/8W 68R 5% ATS
R424	4701-221J-C	RCF 1/8W 220R 5% ATS
R425, R426	4701-102J-C	RCF 1/8W 1K 5% ATS
R427	4701-1023-C 4701-680J-C	RCF 1/8W 1K 5% ATS
R428	4701-333J-C	RCF 1/8W 33K 5% ATS
R429	4701-3333-C 4701-104J-C	RCF 1/8W 100K 5% ATS
R430	4701-104J-C 4701-471J-C	RCF 1/8W 470R 5% ATS
R431		RCF 1/8W 4/0R 5% ATS
	4701-222J-C	
R433, R434	4701-820J-C	RCF 1/8W 82R 5% ATS
R437, R438	4701-102J-C	RCF 1/8W 1K 5% ATS
R441	4701-303J-C	RCF 1/8W 30K 5% ATS
R442	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R443-R445	4701-102J-C	RCF 1/8W 1K 5% ATS
R446-R449	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R450	4701-122J-C	RCF 1/8W 1.2K 5% ATS
R451	4701-101J-C	RCF 1/8W 100R 5% ATS
R452	4701-104J-C	RCF 1/8W 100K 5% ATS
R453	4701-822J-C	RCF 1/8W 8.2K 5% ATS
R454	4701-152J-C	RCF 1/8W 1.5K 5% ATS
R456	4701-824J-C	RCF 1/8W 820K 5% ATS
R457	4701-682J-C	RCF 1/8W 6.8K 5% ATS
R458	4701-473J-C	RCF 1/8W 47K 5% ATS
R459	4701-221J-C	RCF 1/8W 220R 5% ATS
R462	4701-272J-C	RCF 1/8W 2.7K 5% ATS
R463	4701-121J-C	RCF 1/8W 120R 5% ATS
R467	4701-102J-C	RCF 1/8W 1K 5% ATS
R468	4701-104J-C	RCF 1/8W 100K 5% ATS
R469	4701-102J-C	RCF 1/8W 1K 5% ATS
R473	4701-682J-C	RCF 1/8W 6.8K 5% ATS
R474	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R475	4701-102J-C	RCF 1/8W 1K 5% ATS
R480, R481	4701-680J-C	RCF 1/8W 68R 5% ATS
R482	4701-121J-C	RCF 1/8W 120R 5% ATS
R484	4701-471J-C	RCF 1/8W 470R 5% ATS

Reference No.	Part No.	<u>Description</u>	
R485 R486, R487 R488	4701-680J-C 4701-222J-C 4701-303J-C	RCF 1/8W 68R 5% ATS RCF 1/8W 2.2K 5% ATS RCF 1/8W 30K 5% ATS	
<i>ICs</i> U401 U402, U403	3131-3750-0 3131-3730-0	IC LC74763-9012 OSD PAL/NTSC SANYO IC BA7625 2X5CH MULTIPLEXER ROHM	
MAIN SW BOARD PC BOARD 0015	PCB-N0950C-SW	MAIN SW ASSEMBLY	
POWER SWITCH 1702	5200-3665-0	POWER SWITCH TV5 W/THREAD	
CAPACITOR C761 △	8910-0091-0	CC 400V 0.01µF +-20% RL 17X9.5	
VIDEO BOARD PC BOARD 0016	PCB-N0950C-VD	VIDEO ASSEMBLY	
JACKS 1302 1303 1304	2113-1810-0 2113-1811-0 2113-1812-0	1P RCA JACK YL GOLD W/SHIELD 4P RCA JACK YL GOLD W/SHIELD 2P RCA JACK YL GOLD W/SHIELD	
CAPACITORS C441 C450 C459-C461 C464 C466, C467 C468 C470 C476	150F-103K-2-FC 150F-223K-2-FD 157F-225M-5-GM 150F-103K-2-FC 157C-477M-5-OU 157D-108M-5-S9 157D-226M-5-GM 157C-477M-5-OU	CC 50V 0.01µF 10% AT 3.5x2 CC 50V 0.022µF 10% AT 3.2x2.2 CE 50V 2.2µF 20% RL 4x7 CC 50V 0.01µF 10% AT 3.5 CE 10V 470µF 20% RL 8x11 CE 16V 1000µF 20% RL 10x20 CE 16V 22µF 20% RL 4x7 CE 10V 470µ F 20% RL 8x11	
DIODES D414, D415	4804-1480-C	DIODE 1N4148 ATS	
SOCKET J708B	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0	
TRANSISTORS Q428, Q434, Q435	485A-933S-5	TR 2SA933S HFE 120-560 ROHM	
<i>IC</i> s U404	3131-3730-0	IC BA7625 2X5CH MULTIPLEXER	
VIDEO-5 BOARD PC BOARD 0017	PCB-N0950C-VD5	VIDEO-5 ASSEMBLY	
JACKS / WAFERS 1902 1903 1904 J401 J402A M4101	2113-1290-0 2113-1291-0 2113-1292-0 2113-1183-0 2102-031R-004 2113-9503-0	1P RCA YL GOLD PLATED GND 1P RCA WH GOLD PLATED GND 1P RCA RD GOLD PLATED GND 1P DIN CONNECTOR HDC-050 WAFER 3P P2.5 RIGHT HTJ-064-07BG W/NUT/WASHER	

Reference No.	Part No.	Description
CAPACITORS C4101, C4102 C4103 C4104 C4105, C4106 C458, C459	150F-101J-5-IF 157F-225K-5-GM 150F-223Z-5-UG 150F-102K-5-IF 157F-225M-5-GM	CC 50V 100pF 5% RL 5x3.5 CE 50V 2.2µF 10% RL 4x7 CC 50V 0.022µF +80/-20% CC 50V 1000pF 10% RL 5x3 CE 50V 2.2µF 20% RL 4x7
RESISTORS R4101, R4102 R4103 R4104, R4105 R435, R436	4701-331J-C 4701-820J-C 4701-105J-C 4701-820J-C	RCF 1/8W 330R 5% ATS RCF 1/8W 82R 5% ATS RCF 1/8W 1M 5% ATS RCF 1/8W 82R 5% ATS
VOLUME BOARD PC BOARD 0018	PCB-N0950C-VOL	VOLUME ASSEMBLY
WAFER J207B	2102-031S-004	3 PIN ST. WAFER P=2.5 COULOMB
VOLUME M301	4750-6000-0	ROTARY ENCODER EC16B2425 ALPS
KEY BOARD 0019 *AH 0020 *C	PCB-N0950C-KEY PCB-N0951C-KEY	KEYBOARD ASSEMBLY KEYBOARD ASSEMBLY
VFL DISPLAY 2119	2460-1890-1	VFD 12-MT-79GNK FUTABA
CAPACITORS C201 C202 C203, C204 C205 C206 C207 C208 C209 C210	157B-107M-5-KM 150F-103K-2-FC 150F-220K-5-GG 150F-104Z-5-IU 157B-107M-5-KM 150F-104Z-5-IU 157D-476M-5-IU 157E-335M-5-GM 157D-476M-5-IU	CE 6.3V 100µF 20% RL 6x7 CC 50V 0.01µF 10% AT CC 50V 22pF 10% RL 4x4 CC 50V 0.1F +80/-20% RL CE 6.3V 100µF 20% RL 6x7 CC 50V 0.1F +80/-20% RL CE 16V 47µF 20% RL 5x11 CE 25V 3.3µF 20% RL 4x7 CE 16V 47µF 20% RL 5x11
DIODES D201, D202 D203 D205, D206 D209, D210 D211 D212	4804-1480-C 4837-5B61-2 4804-1480-C 4804-1480-C 4837-5B61-2 4804-0010-2	DIODE 1N4148 ATS DZ 1/2W 5.45-5.73 ROHM AT (MTZJ5.6B) DIODE 1N4148 ATS DIODE 1N4148 ATS DZ 1/2W 5.45-5.73 ROHM AT (MTZJ5.6B) DIODE 1N4001 AT
WAFERS J203A,J206A J208B	2101-1581-0 2102-8002-3-100	FLEXIBLE CONN. 35P P1.25 SIDE ENTRY WAFER 2 PIN 9MM
COIL L201	1801-220K-M	COIL 22µH 10% AL BL7
SWITCHES M201-M217, M222	5200-3538-0	SWITCH, TACT SKHHBY 7MM HIGH

Reference No.	Part No.	<u>Description</u>	
IR SENSOR			
M218	4814-3TE2-3	IR SENSOR PIC-12043TE2	
CRYSTAL			
M219	2300-3150-0	CRYSTAL 10MHZ +/-30PPM LOAD CAP 22P HC49U	
TRANSISTORS			
Q201	4860-0050-5	TR SS8050 C/D SAMSUNG RL	
Q202	485C-144E-5	TR DTC144ES ROHM	
Q204	485C-114E-5	TR DTC114ES	
RESISTORS			
R201-R203	4701-681J-C	RCF 1/8W 680 5% ATS	
R204-R206	4701-821J-C	RCF 1/8W 820R 5% ATS	
R207-R209	4701-182J-C	RCF 1/8W 1.8K 5% ATS	
R210-R212	4701-222J-C	RCF 1/8W 2.2K 5% ATS	
R213, R214	4701-472J-C	RCF 1/8W 4.7K 5% ATS	
R215-R218 R219	4701-103J-C 4701-472J-C	RCF 1/8W 10K 5% ATS RCF 1/8W 4.7K 5% ATS	
R219 R220, R221	4701-472J-C 4701-471J-C	RCF 1/8W 47/R 5% ATS	
R222	4701-473J-C	RCF 1/8W 47K 5% ATS	
R223	4701-474J-C	RCF 1/8W 470K 5% ATS	
R224	4701-102J-C	RCF 1/8W 1K 5% ATS	
R225,R226	4701-103J-C	RCF 1/8W 10K 5% ATS	
R228-R232	4701-223J-C	RCF 1/8W 22K 5% ATS	
R232-R246	4701-103J-C	RCF 1/8W 10K 5% ATS	
R247-R250	4701-473J-C	RCF 1/8W 47K 5% ATS	
R251-R261	4701-103J-C	RCF 1/8W 10K 5% ATS	
R262	4701-223J-C	RCF 1/8W 22K 5% ATS	
R263-R274	4701-104J-C	RCF 1/8W 100K 5% ATS	
R275	4701-562J-C	RCF 1/8W 5.6K 5% ATS	
R280	4701-102J-C	RCF 1/8W 1K 5% ATS	
R282	4701-472J-C	RCF 1/8W 4.7K 5% ATS	
R283	4701-471J-C	RCF 1/8W 470R 5% ATS	
R284	4701-752J-C	RCF 1/8W 7.5K 5% ATS	
ICs .			
U201	3131-3810-0	IC LC87F65C8A 8-BIT MCU	
U202	3131-3920-0	IC EEPROM 24C02 2KBIT 8PIN DIP	
	0.0.00200		
POWER SUPPLY BOARD			
0021 *AH	PCB-N0950C-PSU	POWER SUPPLY ASSEMBLY	
0022 *C	PCB-N0951C-PSU	POWER SUPPLY ASSEMBLY	
FUSE HOLDER		FUGE HOLDED	
3001	4132-1011-0	FUSE HOLDER	
CARACITORS			
CAPACITORS C758	8910-0091-0	CC 400V 0.01µE ±-200/ PL 17V0 5	
C758 Zh	150F-223Z-5-UG	CC 400V 0.01µF +-20% RL 17X9.5 CC 50V 0.022µF +80/-20	
C760	157E-227M-5-PU	CE 25V 220µF 20% RL 8.5X11	
C760	157E-227M-5-PU 153F-103K-5-IM	CE 25V 220µF 20% RL 6.5X11 CM 50V 0.01µF 10% RL 5x7	
	1001 1001 0 1111	5 50 V 0.0 1µ1 10/0 1\L 0\(\text{1}\)	
DIODES			
D751	4804-1480-C	DIODE 1N4148 ATS	
D752-D755	4804-0040-1	DIODE 1N4004 AL	
WAFERS / JACKS			
J201B	2102-051S-004	5P ST.WAFER P=2.5 COLOMB	
J605B	2102-021S-004	2P ST.WAFER P=2.5 COULOMB	

Reference No.	Part No.	<u>Description</u>	
M702, M703	2113-1179-0	PHONE JACK D3.5 BK JY-3537-01-140	
SWITCHES			
M752 *C △	5120-0017-0	FU T4A 250V SEMKO/UDE HBC	
M753	4500-0890-0	RELAY 12VDC,250VAC,10A SDT-SS-112DM OEG	
M754 *C △	5120-0018-0	FU T1A 250V SEMKO/UDE 5X20MM	
M751 *AH ♠	5120-0040-0	FU T6.3A 250V 5X20 UL	
M754 *AH △	5120-0052-0	FUSE T1.6A 250V 5X20MM	
TRANSISTOR Q751	485C-123J-5	TR DTC123JSA ROHM	
Q/51	4000-1230-0	TR DTC12535A ROHIVI	
RESISTORS			
R750	4701-102J-C	RCF 1/8W 1K 5% ATS	
R754	4717-8R2J-2-F	RMF 1/2W 8.2R 5% AL	
R758 *AH △	4717-335J-2-S	RMF 1/2W 3.3M 5% AT UL	
TRANSFOMER			
T752	1806-2311-0	EI-35 TRANSFORMER 12V/AC 200MA Q0020C	
IC			
U701	3130-2520-3	IC 7812 12V REGULATOR (SGS)	
TUNED DOADD			
TUNER BOARD 0023 *AH	PCB-N0950C-TUN	TUN ASSEMBLY	
0023 ATT	PCB-N0951C-TUN	TUN ASSEMBLY	
0024 0	1 OB NOSOTO TON	TOTATOGETABET	
JACKS/ANT-TERMINALS			
1002	2113-1805-0	6P RCA JACK R/W GOLD W/SHIELD	
1003 *AH	2107-0641-0	ANT-TERMINAL F-TYPE	
1003 *C	2107-0681-0	ANT-TERMINAL (DIN-TYPE)	
CAPACITORS			
C381-C386	150F-101K-2-FC	CC 50V 100pF 10% AT	
C901 *C	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%	
C902, C903	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%	
C904	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7	
C906	157D-107M-5-IU	CE 16V 100μF 20% RL 5x11	
C911	150F-200J-5-GG	CC 50V 20pF 5% RL 4x4	
C912, C913	150F-102K-5-IF	CC 50V 1000pF 10% RL 5x3.5 CC 50V 100pF 5% RL 5x3.5	
C914, C915 C916	150F-101J-5-IF 150F-331K-5-GE	CC 50V 330pF 10% RL 4x3	
C924, C925	15CH-200J-5-GG	CTC 0/60 20pF 5% RL 4x4	
C926	153F-333J-5-NLM	CM 50V 0.033µF 5% RL 7.5X6.5 METALZD	
C927 157F-225M-5-GM		CE 50V 2.2µF 20% RL 4x7	
C928 157D-106M-5-GM		CE 16V 10µF 20% RL 4x7	
C929 157F-224M-5-GM		CE 50V 0.22µF 20% RL 4x7	
C930 150F-223Z-5-UG		CC 50V 0.022µF +80/-20%	
C931		CE 6.3V 100µF 20% RL 6x7	
C932 150F-223Z-5-UG C941 150F-223Z-5-UG		CC 50V 0.022µF +80/-20%	
C941 150F-223Z-5-UG 157D-107M-5-IU		CC 50V 0.022µF +80/-20% CE 16V 100µF 20% RL 5x11	
C942 157D-107M-5-IU C943 157F-225M-5-GM		CE 16V 100µF 20% RL 3X11 CE 50V 2.2µF 20% RL 4x7	
C944 157F-225M-5-GM 157F-475M-5-GM		CE 50V 4.7µF 20% RL 4x7	
C945	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5	
C946	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7	
C947	157F-474M-5-GM	CE 50V 0.47µF 20% RL 4x7	
C948	157F-105M-5-GM	CE 50V 1µF 20% RL 4x7	
C949, C950	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%	
C951	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7	

Reference No.	Part No.	Description
C953, C954	153F-272J-5-JM	CM 50V 2700pF 5% RL 5.5x7
C959, C960	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C961, C962 *AH	153F-272J-5-JM	CM 50V 2700pF 5% RL
C961, C962 *C	153F-152J-5-JM	CM 50V 1500pF 5% RL 5.5x7
C963, C964	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C965	153F-272J-5-JM	CM 50V 2700pF 5% RL
C967	157D-474M-5-II	CE 16V 0.47µF 20% RL 5x5
C968	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C969	157D-476M-5-IM	CE 16V 47µF 20% RL 5x7
C970	153F-223J-5-LQ	CM 50V 0.022µF 5% RL 6.5x9
C971	15CH-080D-5-GG	CTC 0/60 8pF 0.5pF RL 4x4
C973	153F-473J-5-NLM	CM 50V 0.047µF 5% RL 7.5X6.5 METALZD
C974	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C975	157D-106M-5-GM	CE 16V 10µF 20% RL 4x7
C976	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C977	157F-225M-5-GM	CE 50V 2.2µF 20% RL 4x7
C978	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C979	157D-226M-5-GM	CE 16V 22µF 20% RL 4x7
C981	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C982	150F-101J-5-IF	CC 50V 100pF 5% RL 5x3.5
C985	150F-561K-5-GG	CC 50V 160pF 10% RL 4x4
C986	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C987	150F-223Z-5-UG	CC 50V 0.022µF +80/-20%
C988,C989	15CH-300J-5-IG	CTC 0/60 30pF 5% RL 5x4
C990	157B-107M-5-KM	CE 6.3V 100µF 20% RL 6x7
C991	153F-102J-5-IM	CM 50V 1000PF 5% RL 5x7
C992	150F-103K-5-II	CC 50V 0.01µF 10% RL 5x5
C992	190F-103K-5-11	CC 50 V 0.0 TµF 10 % KL 5x5
DIODES		
D901	4837-4C20-2	DZ 1/2W 5.0-5.2V AT
D902	4837-7C20-2	DZ 1/2W 9.1-9.5V AT
D902	4037-7020-2	DZ 1/2W 9.1-9.5V A1
SOCKETS		
J703B	2101-1801-0	SOCKET (PCB/PCB) 10P P2.0
J704B	2101-1601-0	SOCKET (PCB/PCB) 16P P2.0 RA
37045	2101-1001-0	SOCKET (I OB/I OB) TOLT 2.0 KA
COILS		
L901	1801-220K-M	COIL 22µH 10% AL BL7
L903, L904	5600-3386-S	COIL MPX LPF NMC-4085
L903, L904	1801-101K-M	COIL MPX LPF NMC-4085 COIL 100µH 10%
L905 L941	5600-3396-S	COIL 100µH 10% COIL FM DET-1 10.7MHZ NFIF-4081
L941 L942	5600-3396-S 5600-3406-S	COIL FM DET-1 10.7MHZ NFIF-4081
L942 L971		COIL FM DET-2 10.7MHZ NFIF-4082 COIL MW RF BLOCK MNRF-5077
L971 L972	5600-3280-G 5600-3416-S	COIL MW RE BLOCK MINRE-5077 COIL AM IFT NMIF-4062
L972 L985	1801-101K-M	
L300	1001-1017/-101	COIL 100µH 10%
TUNERS		
M901 *AH	1300-0666-0	TUNER EVN172C4G1 PANASONIC
M901 AH M901 *C	1300-0666-0	TUNER ENV172C4GT PANASONIC TUNER ENV172D3G1 PANASONIC
I Man C	1300-0120-0	TONEN ENVITZUSOT FANASONIC
CERAMIC FILTERS /		
CRYSTALS		
M902-M904	2701-0010-1	CF10.7 +-30 SFE10.7MA5-A
M905	2300-0440-0	CRYSTAL 7.2MHZ 20PPM
M911	2701-0680-0	CF 450 +-1 SFZ450JL3 MURATA
M985	2300-1220-0	CRYSTAL 4.332MHZ
P901	2113-1160-0	WAFER 2P ST. P=2.5 NH JST
TRANSISTORS		
Q901 *C	485C-945P-5	TR 2SC945P HFE 200-400

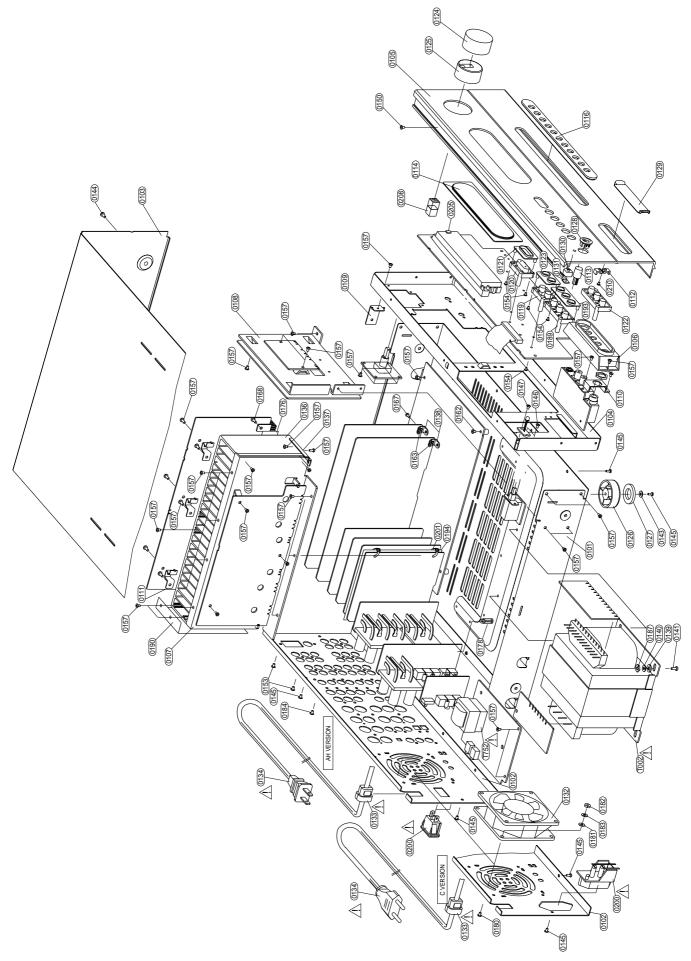
Reference No.	Part No.	<u>Description</u>
Q902	4851-9230-5	TR 2SC1923-0 HFE 70-140
Q903	485A-114E-5	TR DTA114ESA ROHM
Q922, Q923, Q942	4860-1590-5	TR 2SC1740S (R) HFE180-390
Q943, Q944	4860-8120-0	TR 2SD 1468 S
Q945	485A-114E-5	TR DTA114ESA ROHM
COILS / SEMI-FIXEDS		
R912	1801-101K-M	COIL 100µH 10%
R941	4756-2236-3-06	SVR 22K H3 7X7.6 RH0615C
R956	4756-1036-3-06	SVR 10K H3 7X7.6 RH0615C
RESISTORS		
R380, R381	4701-331J-C	RCF 1/8W 330R 5% ATS
R382, R384	4701-104J-C	RCF 1/8W 100K 5% ATS
R383, R385	4701-331J-C	RCF 1/8W 330R 5% ATS
R386, R388	4701-104J-C	RCF 1/8W 100K 5% ATS
R387, R389	4701-331J-C	RCF 1/8W 330R 5% ATS
R390, R391	4701-104J-C	RCF 1/8W 100K 5% ATS
R901 *AH	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R901 *C	4701-333J-C	RCF 1/8W 33K 5% ATS
R902	4701-220J-C	RCF 1/8W 22R 5% ATS
R903 *AH	4701-102J-C	RCF 1/8W 1K 5% ATS
R903 *C	4701-123J-C	RCF 1/8W 12K 5% ATS
R904 *C	4701-331J-C	RCF 1/8W 330R 5% ATS
R906	4701-103J-C	RCF 1/8W 10K 5% ATS
R907 *C	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R908 *C	4701-471J-C	RCF 1/8W 470R 5% ATS
R909, R910	4701-331J-C	RCF 1/8W 330R 5% ATS
R911	4701-101J-C	RCF 1/8W 100R 5% ATS
R913	4701-330J-C	RCF 1/8W 33R 5% ATS
R915	4701-103J-C	RCF 1/8W 10K 5% ATS
R916	4701-102J-C	RCF 1/8W 1K 5% ATS
R918	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R919-R924	4701-102J-C	RCF 1/8W 1K 5% ATS
R925, R926	4701-820J-C	RCF 1/8W 82R 5% ATS
R927	4701-103J-C	RCF 1/8W 10K 5% ATS
R928	4701-221J-C	RCF 1/8W 220R 5% ATS
R929	4701-332J-C	RCF 1/8W 3.3K 5% ATS
R931	4701-220J-C	RCF 1/8W 22R 5% ATS
R933	4701-103J-C	RCF 1/8W 10K 5% ATS
R942	4701-472J-C	RCF 1/8W 4.7K 5% ATS
R943	4701-822J-C	RCF 1/8W 8.2K 5% ATS
R944	4701-104J-C	RCF 1/8W 100K 5% ATS
R945 R946	4701-392J-C	RCF 1/8W 3.9K 5% ATS
R945 R947, R948	4701-332J-C	RCF 1/8W 3.3K 5% ATS RCF 1/8W 10K 5% ATS
	4701-103J-C	RCF 1/8W 3.3K 5% ATS
R949 R950	4701-332J-C	RCF 1/8W 680K 5% ATS
R951	4701-684J-C 4701-102J-C	RCF 1/8W 1K 5% ATS
R952, R953	4701-102J-C 4701-223J-C	RCF 1/8W 22K 5% ATS
R954	4701-2233-C 4701-103J-C	RCF 1/8W 22K 5% ATS
R955	4701-1033-C 4701-220J-C	RCF 1/8W 22R 5% ATS
R957, R958 *AH	4701-2203-C 4701-332J-C	RCF 1/8W 3.3K 5% ATS
R957, R958 *C	4701-3323-C 4701-272J-C	RCF 1/8W 2.7K 5% ATS
R959, R960 *AH	4701-683J-C	RCF 1/8W 68K 5% ATS
R959, R960 *C	4701-334J-C	RCF 1/8W 330K 5% ATS
R961, R962	4701-222J-C	RCF 1/8W 2.2K 5% ATS
R963, R964	4701-104J-C	RCF 1/8W 100K 5% ATS
R968	4701-102J-C	RCF 1/8W 1K 5% ATS
R972	4701-103J-C	RCF 1/8W 10K 5% ATS
=	1	· · · · · · · · · · · · · · · · · · ·

Reference No.	Part No.	<u>Description</u>
R973	4701-183J-C	RCF 1/8W 18K 5% ATS
R974	4701-104J-C	RCF 1/8W 100K 5% ATS
R975 *AH	4701-273J-C	RCF 1/8W 27K 5% ATS
R975 *C	4701-563J-C	RCF 1/8W 56K 5% ATS
R985-R987	4701-102J-C	RCF 1/8W 1K 5% ATS
ICs		
U901	3130-8180-0	IC LA1837 AM/FM IF
U902	3131-9040-0	IC LC72723M RDS DEMODULATOR MFP16
U903	3131-3760-0	IC LC7218 PLL FREQ SYNTHESIZER SANYO

NOTE:

- The components identified by △ mark are critical for risk of fire and electrical shock. Replace only with part number specified.
- <*AH > : USA, Canadian model only.
- <*C > : European model only.
- Capacitors : CP-Polystyrene, CM-Mylar, CE-Electrolytic, CC-Ceramic, CTC-NPO.
- Resistors : RMF-Metal Film, RCF-Carbon Film, RWR-Wirewound Metal Oxide.

EXPLODED VIEW



EXPLODED VIEW PARTS LIST

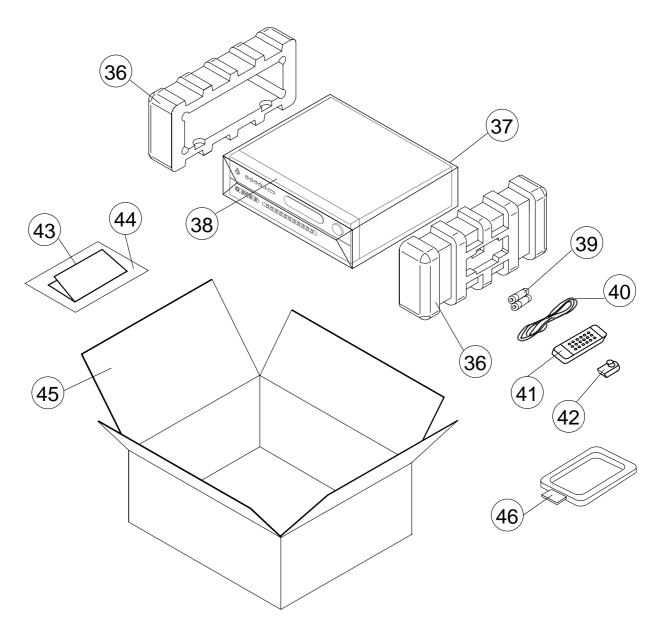
<u>ITEM</u>	Part No.	<u>Description</u>	<u>Qty</u>
0101	1403-5160-1	BOTTOM CHASSIS (T-760)	1
0102 *AH	1403-6390-0	REAR PANEL T-761 (AH)	1
0102 *C	1403-6391-0	REAR PANEL T-761(C)	1
0103 *AH	1403-5181-0	TOP COVER T-761	1
0103 *C	1403-5182-0	TOP COVER T-761	1
0104	1403-6510-0	SUB-FASCIA T-761	1
0105 *AH, *C	1403-6380-0	FASCIA T-761	1
0106	4152-7830-0	FRONT INPUT BEZEL T-761	1
0107	4134-9031-0	BRACKET SURR BOARD T-760	1
0108	4134-9041-0	BRACKET AC3 BOARD T-760	1
0109	4134-9051-0	BRACKET ANGLE	2
0110	4134-9061-0	BRACKET PHONES	1
0111	4134-9071-0	BRACKET PCB MOUNTING	5
0112	4154-0311-0	DUMMY CLAMP	1
0113	2444-1601-0	POWER BUTTON GREEN LONG	1
0114	3716-4401-0	WINDOW LENS	1
0116	4152-4341-0	INPUT BUTTON LOZENGE	1
0119	2444-1901-0	DUO BUTTON T-760	1
0120	2444-1301-1	BUTTON RACKER (NICKEL)	1
0121	4154-0091-0	BEZEL RACKER (NICKEL)	1
0122	2444-2101-0	INPUT BUTTON .	4
0123	4154-0411-0	BEZEL DUO	1
0124	4134-9081-0	VOLUME KNOB SKIN T-760	1
0125	4154-0341-0	VOLUME KNOB CORE T-760	1
0126	4152-4631-0	RUBBER FOOT (522) 14MM HIGH	4
0127	4152-4641-0	CUSHION FOOT (522)	4
0128	4152-4331-0	POWER BUTTON BEZEL	1
0129	4152-7900-0	VIDEO COVER T-761	1
0130	4152-1701-0	LED BEZEL (117)	0
0131	3714-5706-0	LED LENS (412) CLEAR SAN	1
0132	8900-3040-1	DC FAN 12V 80x80mm L=230MM	1
0133	4152-3851-0	SQ. STRAIN RELIEF BUSING	1
0134 *AH <u>∧</u>	7009-3100-2	AC CORD 18AWGX2	1
0134 *C △	7009-3110-0	AC CORD (SEMKO)	1
0136	5400-9051-0	HEATSINK T-760	1
0137	4134-0121-0	HEATSINK MOUNTING BRACKET	2
0138	4152-0451-0	L-BRACKET	2
0139	2600-4008-0973	FLAT WASHER M4X0.8X9.7 BZ	4
0140	2607-4010-0703	SPRING WASHER M4X1X7 BZ	4
0141	2904-4010-3000	SCREW M4X10 (BLK)	4
0143	2842-3367-0	METAL WASHER ID=3.3 OD=6.7	4
0144	2900-4006-3010	M4X0.5PX6MM W/FLAT WASHER	6
0145	2954-3008-3000	T3X8MM SELF TAPPING	37
0146	2904-3008-0000	M3X8MM BINDING HEAD (YEL.ZN)	2

<u>ITEM</u>	Part No.	<u>Description</u>	Qty
0147	2954-3006-0000	3X6MM B-TITE (YEL.ZN)	1
0154	2954-2606-3000	SCREW BH 2.6X6 BLACK	23
0157	2954-3008-0000	TAPPING 3X8MM B-TITE (YEL.ZN)	62
0162	2904-3006-0000	SCREW M3X6	3
0167	2954-3006-0000	3X6MM B-TITE (YEL.ZN)	2
0168	2900-3010-3030	SCREW M3X10 W/S&F WASHER (BLK)	10
0176	3100-3211-0	SILICON SHEET (26X20MM)	10
0178	4152-5831-0	PCB SUPPORT 12MM HIGH	1
0180	2904-3012-3000	M.SCREW M3X12 B/H BLACK ZINC	4
0181	2600-3005-0800	METAL WASHER M3X0.5X8MM ZNC	4
0182	2640-3022-0540	M3 NUT	4
0183	2607-3007-0550	SPRING WASHER	4
0184	2954-2608-3000	SCREW BT 2.6X8 BLACK ZINC	7
0187	2640-4030-0703	M4 NUT (BLK)	4
0189	2444-1201-0	BUTTON TRIO (NICKEL)	1
0190	4154-1991-1	HEAT INSULATION SHEET	1
0193	4154-0031-0	BEZEL TRIO (NICKEL)	1
0194	4154-1941-0	PROTECTION SHEET	1
0200 *C <u>∧</u>	2113-1317-0	AC INLET EUROPE 250V/2.5A	1
0200 *AH <u></u>	2113-1662-0	AC INLET 2 PIN 15A	1
0201	6360-0012-0	PLASTIC CABLE TIE (BLK)	16
0205	4152-3291-1	FOAM 6X4X1.5T MM	1
0208	4152-1161-0	FOAM RUBBER 10X10X10 BK W/TAPE	2
0210	2954-2006-0000	TAPPING SCREW 2X6	6
T002 *AH, *C △	1806-2414-0	TRANSFORMER EI-105 120-230V	1 1
T752 △	1806-2311-0	EI-35 TRANSFORMER 12V/AC 200MA Q0020C	1

NOTE: -The components identified by riangle mark are critical for risk of fire and electrical shock. Replace only with part number specified. <*AH > : USA, Canadian model only.

: European model only. <*C >

PACKING DIAGRAM



ITEM	PART NO.	DESCRIPTION	Q'TY
36	1490-2783-2	POLYFORM ENDCAP	2
37	1497-1072-4	UNIT POLYBAG	1
38	1497-1162-0	FASCIA COVER	1
39	4060-0530-0	BATTERIES	2
40	2107-0661-1	300 OHM T ANTENNA	1
41	8900-2167-0	REMOTE CONTROL HANDSET	1
42*AH	2103-6101-0	RF CONNECTOR PLUG	1
42*C	2103-6201-0	RF CONNECTOR PLUG	1
43	4301-4113-1	OWNER'S MANUAL (GB,F,D)	1
43	4301-4114-1	OWNER'S MANUAL (E,I,S,P)	1
44	1497-1062-0	MANUAL POLYBAG	1
45	1478-1300-0	CARTON BOX	1
46	2113-1155-0	AM LOOP ANTENNA	1

Proprietary information for servicing purposes only. The information herein may not be used commercially without the prior written agreement of NAD Electronics International, Toronto, Canada.

S Ш RVIC Ш MANUAL

© NAD 2001